

Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.2 No. 1-04, 11th edition

Audio, Video, and Similar Electronic Equipment \$140

This standard applies to apparatus, including apparatus intended for professional use, that is used to transmit, receive, and process electronic signals and signals of vocal, musical, or visual origin, and that is not necessarily under the jurisdiction of a skilled person. Processing of electronic signals includes amplification, modulation, demodulation, encoding, decoding, recording, reproduction, etc. This standard applies to apparatus that operates from a supply circuit not exceeding 120 V, in accordance with the Rules of the *Canadian Electrical Code, Part I*, and that is intended to operate at voltages in addition to 120 V but not exceeding 250 V.

PLUS 1172

Wiring for Canadian Homes and Cottages \$19.95

This special publication is intended to help the reader understand the residential occupancy requirements found in the 2002 *Canadian Electrical Code, Part I*. It is not intended to be used as a manual for electricians, renovators, contractors, or do-it-yourselfers on the installation of the electrical wiring systems required in a home or cottage. Most household electrical projects require the tools, skills, and experience of certified electricians. The Code also requires that when an electrical installation is installed or altered, the municipal, provincial, or territorial inspection department that has jurisdiction must inspect it to determine whether it complies with the Code and with any local requirements.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

C22.2 n° 4-04, 7^e édition

Interrupteurs sous boîtier et pour panneau isolant (norme trinationale comprenant la 2^e édition de la norme NMX-J-162-ANCE-2004 et la 13^e édition de la norme UL 98) 245 \$

Cette norme vise les interrupteurs à coupure dans l'aire sous boîtier individuel dont le courant nominal est d'au plus 4000 A et la tension nominale d'au plus 600 V, dont toutes les pièces sous tension sont enfermées, dont la commande est manuelle au moyen d'une manette externe et dont l'utilisation est régie par les codes d'installation nationaux.



Amendments

CAN/CSA-C22.2 No. 5-02

Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures

Revision of the outside and inside front cover, the Title page, the Copyright page, the Contents page, the Preface, the Foreword (UL), Clauses 1.7, 6.1.5.15, 9.1.4.1, 15.2.5.1, 15.2.5.2, 15.3.5.1, 15.4.5.1, 18.1.8, 18.1.11, 18.4.10, and 18.4.11, and Appendices A and B. Addition of Clauses 6.5.1, 7.15, and 9.16, and Supplement SE.

Modifications publiées en français

CAN/CSA-C22.2 n° 5-02

Disjoncteurs à boîtier moulé et enveloppe de disjoncteurs

Des modifications ont été apportées à la première de couverture, à la deuxième de couverture, à la page titre, à la page des droits d'auteur, à la préface, à l'avant-propos (UL), aux articles 1.7, 6.1.5.15, 9.1.4.1, 15.2.5.1, 15.2.5.2, 15.3.5.1, 15.4.5.1, 18.1.8, 18.1.11, 18.4.10, 18.4.11 et aux appendices A et B. Les articles 6.5.1, 7.15, 9.16 et le supplément SE ont été ajoutés.

Reaffirmed Standards

C22.2 No. 51-95 (R2004)

Armoured Cables

C22.2 No. 137-M1981 (R2004)

Electric Luminaires for Use in Hazardous Locations

C22.2 No. 158-1987 (R2004)

Terminal Blocks

C22.2 No. 203.1-94 (R2004)

Manufactured Wiring Systems

C22.2 No. 232-M1988 (R2004)

Optical Fiber Cables

CAN/CSA-C22.2 No. 1010.2.031-94 (R2004)

Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use—Part 2-031: Particular Requirements for Hand-Held Probe Assemblies for Electrical Measurement and Test (Adopted IEC 1010-2-031:1993, first edition, with Canadian deviations)

CAN/CSA-E335-2-2-94 (R2004)

Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Vacuum Cleaners and Water Suction Cleaning Appliances (Adopted IEC 335-2-2:1993, fourth edition)



Reaffirmed Standards (cont'd)

CAN/CSA-E335-2-9-94 (R2004)

Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Toasters, Grills, Roasters and Similar Appliances (Adopted IEC 335-2-9:1993, fourth edition)

CAN/CSA-E335-2-13-94 (R2004)

Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Deep Fat Fryers, Frying Pans and Similar Appliances (Adopted IEC 335-2-13:1993, fourth edition)

CAN/CSA-E335-2-14-94 (R2004)

Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Electric Kitchen Machines (Adopted IEC 335-2-14:1984, second edition, including Amendment 1:1989 and Amendment 2:1990)

CAN/CSA-E335-2-15-94 (R2004)

Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Appliances for Heating Liquids (Adopted IEC 335-2-15:1986, third edition, including Amendment 1:1988 and Amendment 2:1990)

CAN/CSA-E335-2-23-94 (R2004)

Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Appliances for Skin or Hair Care (Adopted IEC 335-2-23:1986, third edition, including Amendment 1:1990)

CAN/CSA-E335-2-24-94 (R2004)

Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Refrigerators, Food Freezers and Ice-Makers (Adopted IEC 335-2-24:1992, third edition)

CAN/CSA-E335-2-31-94 (R2004)

Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Range Hoods (Adopted IEC 335-2-31:1988, second edition, including Amendment 1:1990)

CAN/CSA-E335-2-33-94 (R2004)

Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Coffee Mills and Coffee Grinders (Adopted IEC 335-2-33:1987, second edition, including Amendment 1:1990)

CAN/CSA-E335-2-53-94 (R2004)

Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Electric Sauna Heating Appliances (Adopted IEC 335-2-53:1988, first edition)

CAN/CSA-E335-2-55-94 (R2004)

Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Electrical Appliances for Use with Aquariums and Garden Ponds (Adopted IEC 335-2-55:1989, first edition)

CAN/CSA-E335-2-59-94 (R2004)

Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Insect Killers (Adopted IEC 335-2-59:1990, first edition)



Reaffirmed Standards (cont'd)

CAN/CSA-E335-2-70-95 (R2004)

Safety of Household and Similar Electric Appliances—Part 2: Particular Requirements for Milking Machines (Adopted IEC 335-2-70:1993, first edition, with Canadian deviations)

CAN/CSA-E335-2-71-95 (R2004)

Safety of Household and Similar Electric Appliances—Part 2: Particular Requirements for Electrical Heating Appliances for Breeding and Rearing Animals (Adopted IEC 335-2-71:1993, first edition, with Canadian deviations)

CAN/CSA-E691-94 (R2004)

Thermal-Links—Requirements and Application Guide (Adopted IEC 691:1993, second edition, with Canadian deviations)

CAN/CSA-E730-2-2-94 (R2004)

Automatic Electrical Controls for Household and Similar Use, Part 2: Particular Requirements for Thermal Motor Protectors (Adopted IEC 730-2-2:1990, first edition)

CAN/CSA-E730-2-5-94 (R2004)

Automatic Electrical Controls for Household and Similar Use—Part 2: Particular Requirements for Automatic Electrical Burner Control Systems (Adopted IEC 730-2-5:1990, first edition)

CAN/CSA-E742-94 (R2004)

Isolating Transformers and Safety Isolating Transformers—Requirements (Adopted IEC 742:1983, first edition, including Amendment 1:1992, with Canadian deviations)

CSA has reaffirmed its endorsement of the following IEC standards:

- **IEC 60343 (1991)**
Recommended Test Methods for Determining the Relative Resistance of Insulating Materials to Breakdown by Surface Discharges
- **IEC 60454-1 (1992)**
Specifications for Pressure-Sensitive Adhesive Tapes for Electrical Purposes—Part 1: General Requirements
- **IEC 60454-2 (1994)**
Specifications for Pressure-Sensitive Adhesive Tapes for Electrical Purposes—Part 2: Methods of Test
- **IEC 60544-1 (1994)**
Guide for Determining the Effects of Ionizing Radiation on Insulating Materials—Part 1: Radiation Interaction and Dosimetry
- **IEC 60544-2 (1991)**
Guide for Determining the Effects of Ionizing Radiation on Insulating Materials—Part 2: Procedures for Irradiation and Test

Reaffirmed Standards (cont'd)

- **IEC 60626-1 (1995)**
*Specification for Combined Flexible Materials for Electrical Insulation—
Part 1: Definitions and General Requirements*
- **IEC 60626-2 (1995)**
*Specification for Combined Flexible Materials for Electrical Insulation—
Part 2: Methods of Test*
- **IEC 60819-1 (1995)**
*Specification for Non-Cellulosic Papers for Electrical Purposes—
Part 1: Definitions and General Requirements*

Formal Interpretation

The following interpretation regarding **CSA standard C22.1** has been approved by the Technical Committee on *The Canadian Electrical Code, Part I*.

Question: Is the requirement of Rule 36-308(6) applicable for a transformer connected to a grounded neutral system, where such a grounded neutral system represents the high voltage (primary side)?

Answer: Yes.

Question: Do street-lighting installations, installed and operated by a municipality, installed on rights of way and public thoroughfares, fall within the Scope of the Canadian Electrical Code Part I?

Answer: Yes.

Question: Are conductors supplying primary and secondary of various types transformers which are protected in accordance with relevant Rules 26-252, 26-254 or 26-256, and that are sized in conformance with Subrules 26-258(1) and (2), required to be provided with the overcurrent protection rated or set as per Rule 14-104?

Answer: No.



Under Development

Drafts for Public Review

Please note: Public comments about draft standards, proposed amendments, proposed adoptions and proposed endorsements listed in this issue are due by November 17, 2004.

Draft Standards

To receive copies of the following draft standards, or to offer comments, contact Annie Pereira at 416-747-4094 or annie.pereira@csa.ca:

- **C22.2 No. 144.1, 1st edition**
Ground Fault Circuit Interrupters
- **C22.2 No. 61058-1, 1st edition**
Switches for Appliances

Proposed Amendments

To receive copies of the following proposed amendment, or to offer comments, contact Annie Pereira at 416-747-4094 or annie.pereira@csa.ca:

- **C22.2 No. 4-M89**
Enclosed Switches

Proposed revision of various clauses.

Proposed Reaffirmations

For more information about the proposed reaffirmation of the following standards, contact John O'Neill at 416-747-4042 or john.oneill@csa.ca:

- **CAN/CSA-C233.1-87 (R1999)**
Gapless Metal Oxide Surge Arresters for Alternating Current Systems
- **CAN/CSA-C1264-99**
Ceramic Pressurized Hollow Insulators for High-Voltage Switchgear and Controlgear

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
July 27, 2004	Cancellation of CSA Informs <i>Wiring Devices No. 27</i> , dated February 27, 2004, and associated Technical Information Letter No. A-31, dated February 27, 2004. CSA is withdrawing its interim certification program for surge suppression “slip-on” devices for use with 1-15P and 5-15P attachment plugs.	Wiring Devices No. 31
August 6, 2004	Publication of CAN/CSA-C22.2 No. 61010-1-04, <i>Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use—Part 1: General Requirements</i> (Adopted IEC 61010-1:2001).	Measurement Control and Laboratory Equipment No. 5
August 31, 2004	Publication of Technical Information Letter No. RV-06, covering interim certification requirements for engine-driven electric generators for use in recreational vehicles. (Supersedes Electrical Bulletin No. 946.)	Recreational Vehicles No. 27

Certification Notices

Please note: ► Notices marked with an arrowhead are new in this issue.

Effective Date	Subject	Title
September 30, 2004	Publication of amendments to CSA standard C22.2 No. 167-97, <i>Household Dishwashers</i> (bi-national with UL 749). The amendments clarify requirements/instructions for a power supply cord kit when the power supply cord is not permanently attached to the dishwasher, and provide additional marking requirements and tests.	Appliances No. 5
September 30, 2004	Publication of the third edition of CSA standard C22.2 No. 107.1-01, <i>General Use Power Supplies</i> . (Supersedes Certification Notice <i>Power Supplies No. 4.</i>) (Note: The effective date was September 2002 for certain types specified in the notice.)	Power Supplies No. 18
October 12, 2004	Publication of bi-national standard C22.2 No. 62.1-03, 1st edition/UL 5A, 3rd edition, <i>Nonmetallic Surface Raceways and Fittings</i> . (Supersedes Certification Notices <i>Wiring Devices No. 19</i> and <i>Wiring Products No. 1.</i>)	Raceways and Fittings No. 4

**Certification Notices (cont'd)**

Effective Date	Subject	Title
November 15, 2004	Publication of the eighth edition of CSA standard C22.2 No. 75-03, <i>Thermoplastic Insulated Wires and Cables</i> .	Wire and Cable No. 105
December 1, 2004	Publication of Technical Information Letter No. B-69, covering medium screw-base and candelabra-screw base lamps incorporating light-emitting diodes or miniature extra-low-voltage incandescent lamps connected in series, as the light source.	Lighting Products No. 43
December 15, 2004	Publication of Technical Information Letter No. J-33, covering interim certification requirements for expandable sleeving rated at 90 °C, 105 °C, 125 °C, 150 °C and 200 °C for bundling of insulated wires and cables.	Wire and Cable No. 110
January 1, 2005	Publication of Technical Information Letter No. B-71, announcing new requirements for neon transformers and power supplies.	Lighting Products No. 42
January 1, 2005	Extension of effective date for the new marking requirements in Clause 17.2.2 of CSA standard C22.2 No. 250.0-00/UL 1598, <i>Luminaires</i> , to show catalog number, model number, series, or other similar marking. (Supplemental to <i>Lighting Products Notice No. 35</i> .)	Lighting Products No. 35A
February 16, 2005	Publication of the first edition of CSA standard C22.2 No. 18.4-04, <i>Hardware for the Support of Conduit, Tubing, and Cable</i> (bi-national standard with UL 2239).	Wiring Devices No. 29
March 1, 2005	Publication of the first edition of CSA standard C22.2 No. 227.2.1-04, <i>Liquid-Tight Flexible Nonmetallic Conduit</i> (bi-national standard with UL 1660).	Conduit No. 13
March 1, 2005	Publication of the first edition of CSA standard C22.2 No. 18.3, <i>Conduit, Tubing and Cable Fittings</i> (tri-national standard with ANCE NMX-J-017 and UL 514B).	Wiring Devices No. 28

Certification Notices (cont'd)

Effective Date	Subject	Title
April 1, 2005	Publication of the eighth edition of CSA standard C22.2 No. 31-04, <i>Switchgear Assemblies</i> . This edition includes new requirements to add provision for: <ul style="list-style-type: none"> • lock-out features of high-voltage switches and circuit-breakers • lock-out of low-voltage switches and circuit-breakers • padlocking of automatic shutters in metal-clad switchgear with removable breakers. 	Switchgear Assemblies No. 4
May 24, 2005	Publication of amendments to CSA standard C22.2 No. 112-97, <i>Electric Clothes Dryers</i> (bi-national with UL 2158). The amendment clarifies the marking requirements for a pressure wire connector intended for connection of an equipment-grounding conductor.	Appliances No. 3
September 30, 2005	Publication of the second edition of CSA standard C22.2 No. 235, <i>Supplementary Protectors</i> .	Power Distribution Equipment No. 1
November 15, 2005	Publication of the fourth edition of CSA standard C22.2 No. 65, <i>Wire Connectors</i> .	Wiring Devices No. 25
March 1, 2007	Publication of CAN/CSA-C22.2 No. 60065:03, <i>Audio, Video and Similar Electronic Apparatus—Safety Requirements</i> (Adopted CEI/IEC 60065:2001, with Canadian deviations).	Audio and Video Equipment No. 16
January 1, 2010	Changes to the withdrawal dates of standards C22.2 No. 1-98, UL 469, UL 813 and UL 1492.	Audio and Video Equipment No. 16
June 1, 2010	Publication of CSA standards CAN/CSA-C22.2 No. 60745-1-04 and CAN/CSA-C22.2 No. 60745-2-04 (bi-national standards with UL 60745-1 and associated Part 2 series standards. These are adoptions of the identically numbered IEC standards.)	Electrical Tools No. 15