

Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.1-06, 20th edition

Canadian Electrical Code, Part I, Safety Standard for Electrical Installations \$135

The new, 20th edition of the *Canadian Electrical Code* is now available in spiral-bound format, and includes the 2006 *CE Code Pocket Reference*.

The object of this Code is to establish safety standards for the installation and maintenance of electrical equipment. In its preparation, consideration has been given to the prevention of fire and shock hazards, as well as proper maintenance and operation.

Compliance with the requirements of this Code and proper maintenance will ensure an essentially safe installation.

This Code is not intended as a design specification nor as an instruction manual for untrained persons.

The requirements in this Code address the fundamental principles of protection for safety contained in Section 131 of IEC 60364-1, which encompasses protection against electric shock, thermal effects, overcurrent, fault currents, and overvoltage.

This Code covers all electrical work and electrical equipment operating or intended to operate at all voltages in electrical installations for buildings, structures, and premises, including factory-built relocatable and non-relocatable structures, and self-propelled marine vessels stationary for periods exceeding five months and connected to a shore supply of electricity continuously or from time to time, with the following exceptions:

- installations or equipment employed by an electric, communication, or community antenna distribution system utility in the exercise of its function as a utility, as recognized by the regulatory authority having jurisdiction, and located outdoors or in buildings or sections of buildings used for that purpose
- equipment and facilities that are used in the operation of an electric railway and that are supplied exclusively from circuits that supply the motive power
- installations or equipment used for railway signalling and railway communication purposes, and located outdoors or in buildings or sections of buildings used exclusively for such installations
- aircraft
- electrical systems in ships that are regulated under Transport Canada.

For mine and quarry applications, see also CSA standard CAN/CSA-M421.

The 2006 *CE Code Pocket Reference* is a companion to the 2006 edition of the *Canadian Electrical Code, Part I*. This pocketbook provides the reader with a quick guide to commonly consulted sections of the Code, as well as useful tables, diagrams, and background information.

The pocketbook was designed to be a quick and portable reference guide in the field. Because the material is not intended to be complete, the pocketbook must *not* be used in place of the *Canadian Electrical Code, Part I*.



New Standards – New Editions – Special Publications (cont'd)

C22.2 No. 106-05, 5th edition

HRC-Miscellaneous Fuses..... \$70

This standard applies to HRC non-renewable cartridge current-limiting fuses of the HRCI-MISC (Form I) type rated 600 A or less and 600 V ac or less, that are intended to be used in accordance with the *Canadian Electrical Code, Part I*.

C22.2 No. 198.2-05, 2nd edition

Sealed Wire Connector Systems (tri-national standard with NMX-J-519-ANCE-05, second edition, and UL 486D, fifth edition) \$195

The requirements in this standard cover sealed wire connector systems, including insulating caps, covers, resins, tubing, and tapes provided with, or for use with, specific wire connectors. These systems are intended for wet or damp locations, and other installations such as direct burial, below grade, or above grade where protected from direct exposure to sunlight. The wire connectors covered by these requirements are intended for use with copper conductor, aluminum conductor, or both, in accordance with the installations covered by the *Canadian Electrical Code, Part I*, the *National Electrical Code*, and the *Standard for Electrical Installations*.

C22.2 No. 256-05, 1st edition

Direct Plug-In Nightlights (bi-national standard with UL 1786, third edition) \$395

This standard applies to direct plug-in nightlights not exceeding 10 W input, for indoor use only, in non-hazardous locations, and intended to be used in accordance with the *Canadian Electrical Code, Part I*. Light source types include incandescent candelabra base lamps, non-replaceable lamps (fluorescent, neon, or light-emitting diode [LED] type), or electroluminescent panels.

These requirements cover direct plug-in nightlights for insertion into a parallel slot receptacle rated 125 volts maximum.

This document is available in Portable Document Format (PDF) only.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

C22.2 n° 14-05, 10^e édition

Appareillage industriel de commande 150 \$

Cette norme s'applique aux dispositifs de commande et de protection, accessoires compris, conçus pour 1 500 V au maximum pour le démarrage, le freinage, la variation de régime, la commande ou la protection des moteurs électriques, des génératrices, des appareils de chauffage ou des autres dispositifs servant à commander un procédé industriel qui sont conçus pour utilisation dans les emplacements non dangereux, conformément au *Code canadien de l'électricité, Première partie*.

Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

Journal C282-05, 2^e édition

Alimentation électrique de secours des bâtiments : journal d'entretien..... 60 \$

Ce journal d'entretien est composé de tableaux permettant de noter et de préserver l'historique des vérifications, essais et entretiens hebdomadaires, mensuels, semestriels, annuels ainsi que ceux effectués tous les cinq ans et ceux qui ne sont pas planifiés.

Amendments

CAN/CSA-E61347-2-3A:05 (bilingual)

Amendment 1:2005 to CAN/CSA-E61347-2-3:03, "Lamp controlgear — Part 2-3: Particular requirements for a.c. supplied electronic ballasts for fluorescent lamps"
(Adopted Amendment 1:2004 to CEI/IEC 61347-2-3:2000, without modification) \$55

This document provides revisions to CAN/CSA-E61347-2-3:03.

This document is available in Portable Document Format (PDF) only.

Modifications publiées en français

CAN/CSA-E61347-2-3A:05 (bilingue)

Modification 1:2005 à la norme CAN/CSA-E61347-2-3:03, « Appareillages de lampes — Partie 2-3: Prescriptions particulières pour les ballasts électroniques alimentés en courant alternatif pour lampes fluorescentes » (norme CEI/IEC 61347-2-3:2000, amendement n° 1:2004, adoptée sans modification) 55 \$

Ce document renferme des modifications à la CAN/CSA 61347-2-3:03.

Cette norme est offerte en format PDF seulement.

Reaffirmed Standards

C22.2 No. 27-00 (R2006)

Busways

CAN/CSA-C22.2 No. 85-M89 (R2006)

Rigid PVC Boxes and Fittings

CAN/CSA-C22.2 No. 108-01 (R2006)

Liquid Pumps

CAN/CSA-C22.2 No. 182.4-M90 (R2006)

Plugs, Receptacles, and Connectors for Communication Systems



Reaffirmed Standards (cont'd)

CAN/CSA-E730-2-3A-94 (R2006)

Amendment 1:2001 to CAN/CSA-E730-2-3-94, “Automatic electrical controls for household and similar use — Part 2: Particular requirements for thermal protectors for ballast for tubular fluorescent lamps” (Adopted Amendment 1:1995 to CEI/IEC 730-2-3:1990, without modification)

CAN/CSA-E730-2-4A-94 (R2006)

Amendment 1:2001 to CAN/CSA-E730-2-4-94, “Automatic electrical controls for household and similar use — Part 2: Particular requirements for thermal motor protectors for ballast for motor-compressors of hermetic and semi-hermetic type” (Adopted Amendment 1:1994 to CEI/IEC 730-2-4:1990, without modification)

CAN/CSA-E730-2-7A-94 (R2006)

Amendment 1:2001 to CAN/CSA-E730-2-7-94, “Automatic electrical controls for household and similar use — Part 2: Particular requirements for timers and time switches” (Adopted Amendment 1:1994 to CEI/IEC 730-2-7:1990, without modification)

CAN/CSA-E730-2-10A-94 (R2006)

Amendment 1:2001 to CAN/CSA-E730-2-10-94, “Automatic electrical controls for household and similar use — Part 2: Particular requirements for electrically operated motor starting relays” (Adopted Amendment 1:1994 to IEC 730-2-10:1991, without modification)

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 April 11, 2006.

Draft Standards

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

- **C22.2 No. 167, 8th edition**
Household Dishwashers

Proposed Reaffirmation of Standards

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

- **CAN3-C235-83 (R2000)**
Preferred Voltage Levels for AC Systems 0 to 50,000 Volts

Certification and Testing (CSA International)

Informs Notices

| Date | Subject | Title |
|-------------------|--|------------------------|
| December 23, 2005 | Publication of Update No. 5 to CSA standard C22.2 No. 147- M90, <i>Motor-Operated Gardening Appliances</i> . This update does not affect existing certification. | Appliances No. 12 |
| December 30, 2005 | Publication of the first edition of CSA standard C22.2 No. 2556-05, <i>Wire and Cable Test Methods</i> (tri-national standard with UL 2556 and NMX-J-556-ANCE). | Wire and Cable No. 121 |

Certification Notices

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

| Effective Date | Subject | Title |
|-------------------|---|-------------------------------------|
| February 15, 2006 | Publication of CSA standard C22.2 No. 236-05, <i>Heating and Cooling Equipment</i> . | Heating and Cooling Equipment No. 5 |
| March 26, 2006 | Publication of the ninth edition of UL 197, <i>Commercial Electric Cooking Appliances</i> , with a new effective date. (Supersedes Appliances No. 6, dated November 30, 2004.) | Appliances No. 6A |
| March 31, 2006 | Publication of Update No. 2 to CSA standard C22.2 No. 214-02, <i>Communications Cables</i> . | Wire and Cable No. 117 |
| April 7, 2006 | Extension of the effective date specified in Wire and Cable No. 105. | Wire and Cable No. 105A |
| May 24, 2006 | Publication of amendments to CSA standard C22.2 No. 112-97/UL 2158, <i>Electric Clothes Dryers</i> , with a new effective date. (Supersedes Appliances No. 3, dated June 4, 2004.) | Appliances No. 3A |
| June 1, 2006 | Publication of amendments to UL standard 1059, <i>Terminal Blocks</i> . Major changes include the method of conducting temperature tests. | Wiring Devices No. 40 |
| June 2, 2006 | Publication of Technical Information Letter No. H-18, covering interim certification requirements for burner controls incorporating programmable logic. These requirements supplement those of C22.2 No. 199 and C22.2 No. 0.8. | Signal Sensing and Controls No. 3 |

**Certification Notices (cont'd)**

| Effective Date | Subject | Title |
|-----------------------|---|-------------------------------------|
| July 28, 2006 | Publication of CSA standard C22.2 No. 14-05, <i>Industrial Control Equipment</i> . | Industrial Control Equipment No. 17 |
| July 31, 2006 | Publication of Technical Information Letter No. D-29, providing interim certification requirements for disconnect switches incorporating button contacts. | Switches No. 9 |
| August 1, 2006 | Publication of CSA standard C22.2 No. 227.3-05, <i>Nonmetallic Mechanical Protection Tubing (NMPT)</i> (bi-national standard with UL 1696). | Conduit No. 16 |
| August 31, 2006 | Publication of Technical Information Letter No. C-39, providing interim certification requirements for cord-connected, portable deep fat fryers, cooker/fryers, frying pans, and similar appliances. | Appliances No. 11 |
| ► September 1, 2006 | Publication of amendments to CSA standard C22.2 No. 117-1970 (R2002), <i>Room Air-Conditioners</i> . | Room Air-Conditioners No. 1 |
| September 1, 2006 | Publication of CSA standard C22.2 No. 198.3-05, <i>Coated Electrical Sleeving</i> (bi-national standard, with UL 1441). (Supersedes Wire and Cable No. 61.) | Wiring Devices No. 42 |
| September 1, 2006 | Publication of Technical Information Letter No. G-48, providing interim certification requirements for clothes dryer booster fans. | Fans and Ventilators No. 6 |
| October 31, 2006 | Publication of CSA standard C22.2 No. 42.1-00, <i>Cover Plates for Flush-Mounted Wiring Devices</i> (bi-national standard with UL 514D). | Wiring Devices No. 39 |
| November 1, 2006 | A new effective date for the sixth edition of CSA standard C22.2 No. 100-04, <i>Motors and Generators</i> . (Supersedes Motors and Generators No. 4.) | Motors and Generators No. 5 |
| December 16, 2006 | Publication of amendments to CSA standard C22.2 No. 169-97/UL 2157, <i>Electric Clothes Washing Machines and Extractors</i> , with a new effective date. (Supersedes Appliances No. 4, dated January 31, 2005.) | Appliances No. 4A |
| March 30, 2007 | Publication of Technical Information Letter No. A-32, providing interim certification requirements for outdoor portable multiple-receptacle extension boxes. | Wiring Devices No. 41 |

Certification Notices (cont'd)

| Effective Date | Subject | Title |
|-----------------------|--|----------------------------|
| June 1, 2007 | Publication of amendments to CSA standard CAN/CSA-C22.2 No. 60745-1-04, <i>Hand-held motor-operated electric tools — Safety — Part 1: General requirements</i> (bi-national standard, with UL 60745-1), and four new CAN/CSA-60745 Part 2-05 standards, covering concrete vibrators, strapping tools, band saws, and drain cleaners. | Electrical Tools No. 16 |
| August 31, 2007 | Publication of CSA standard C22.2 No. 38-05, <i>Thermosetting Insulated Wires and Cables</i> , and Technical Information Letter No. J-35, covering additional certification requirements (Heat Deformation Test). | Wire and Cable No. 118 |
| December 31, 2008 | Publication of the third edition of CSA standard C22.2 No. 130-03, <i>Requirements for Electrical Resistance Heating Cables and Heating Device Sets</i> . | Wiring Devices No. 37 |
| 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). | Electrical Tools No. 15 |