



INFO UPDATE

Electrical/Electronics

Volume 6 — August/September 2009

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Info Update is published by the Canadian Standards Association (CSA) eight times a year. It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards. It also gives you highlights of other activities and services.

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Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.2 No. 5-09, 2nd edition

Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures
(tri-national standard with NMX-J-266-ANCE, third edition, and UL 489, eleventh edition)

PDF only \$730

This standard covers molded-case circuit breakers, circuit breaker and ground-fault circuit-interrupters, fused circuit breakers, and accessory high-fault protectors. These circuit breakers are specifically intended to provide service entrance, feeder, and branch circuit protection in accordance with national installation codes. This standard also covers instantaneous-trip circuit breakers (circuit interrupters) specifically intended for use as part of a combination motor controller in accordance with national installation codes.

This standard covers molded-case switches and fused molded-case switches.

This standard covers devices rated at 600 volts or less and 6000 amperes or less.

C22.2 No. 35-09, 6th edition

Extra-Low-Voltage Control Circuit Cable, Low-Energy Control Cable, and Extra-Low-Voltage Control Cable

PDF only \$150

This standard specifies requirements for the following types of control cables, rated 30 V maximum, intended for use in extra-low-voltage control circuits in accordance with the rules of the *Canadian Electrical Code, Part I*:

- Type LVT extra-low-voltage control circuit cables, rated 60 °C maximum
- low-energy control cable, rated 105 °C maximum
- Type ELC extra-low-voltage control cable, rated 60 °C maximum
- golf course and lawn sprinkler wire, low-voltage, and low-energy circuit cables, rated 60 °C maximum.

C22.2 No. 51-09, 11th edition

Armoured Cables

PDF only \$110

This standard specifies requirements for single- and multi-conductor insulated cables having metallic interlocked armour without an overall jacket (Type AC90 or ACG90) or with an overall jacket (Type ACWU90 or ACGWU90) that are intended for installation in accordance with the *Canadian Electrical Code, Part I*, on systems having nominal voltages of 600 V and less. ACG90 and ACGWU90 apply to multi-conductor insulated cables only.

This standard specifies requirements for cables having insulated conductors in sizes 14 AWG to 2000 kcmil. The maximum conductor temperature rating is 90 °C.



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

C22.2 No. 140.3-09, 2nd edition

Refrigerant-Containing Components for Use in Electrical Equipment

PDF only \$90

This standard applies to refrigerant-containing components for use in field-installed systems in accordance with CSA B52 and that are charged with the refrigerant identified for use in the components.

This standard applies to refrigerant-containing components for use in factory-assembled refrigeration or air-conditioning equipment and that are bound also by the pertinent requirements of CSA C22.2 standards.

This standard applies to refrigerant-containing components such as accumulators, condensers, evaporators, dryers, filters, heat exchangers, oil separators, liquid receivers, mufflers, liquid indicators, vibration eliminators, strainers, fusible plugs, and rupture members.

C22.2 No. 232-09, 2nd edition

Optical Fiber Cables

PDF only \$150

This standard applies to non-conductive optical fiber cable and conductive optical fiber cable intended to be installed indoors in non-hazardous locations in accordance with the *Canadian Electrical Code, Part I*.

This standard does not cover hybrid optical fiber cables whose construction (excluding the optical fiber component) is covered in other applicable standards of the *Canadian Electrical Code, Part II*.

C22.2 No. 1993-09, 1st edition

Self-Ballasted Lamps and Lamp Adapters (tri-national standard with NMX-J-578/1-ANCE, first edition, and UL 1993, third edition)

PDF only \$370

This standard provides requirements to cover both self-ballasted lamps and self-ballasted lamp adapters rated 120 to 347 V AC nominal for connection to screw-, pin-base, and recessed single contact (RSC or R7) lampholders. These devices are intended for use in accordance with the *National Electrical Code*, ANSI/NFPA 70, and the *Canadian Electrical Code, Part I*, in non-hazardous locations, and the *Instalaciones Eléctricas (utilización)*, NOM-001-SEDE.

These devices incorporate resistance, reactance, or electronic (solid-state) type ballasts or power supplies. These devices employ various lamp technologies including, but not limited to, incandescent, fluorescent, high-intensity discharge lamps, light-emitting diodes.

This standard does not apply to medium-to-medium base (E26) fittings that incorporate controls such as photocells, motion detectors, radio controls, or dimmers covered by other standards.

These devices are not intended for use with emergency exit fixtures or emergency exit lights.

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

C22.2 No. 2420-09, 1st edition

Belowground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (bi-national standard with UL 2420, first edition)

PDF only \$370

This standard specifies the requirements for low-halogen belowground (Type BG) reinforced thermosetting resin conduit (RTRC) and fittings, for installation and use in accordance with the *Canadian Electrical Code, Part I*, and the *National Electrical Code*.

The products specified in this standard are intended for use at -40 °C (-40 °F) to 110 °C (230 °F).

Type BG conduit has not been evaluated for directional boring applications.

This standard covers ID (dimensions based on inside diameters) and IPS (dimensions based on outside diameters of iron pipe sizes) conduit and fittings. Trade sizes (metric designators) are 1/2 (16) to 6 (155).

This standard covers conduit with designations EB (encased burial) and DB (direct burial), which refer to specific wall thicknesses. EB conduit, is suitable for encasement in concrete. DB conduit is suitable for encasement in concrete and direct burial.

C22.2 No. 2515-09, 1st edition

Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (bi-national standard with UL 2515, first edition)

PDF only \$370

This standard specifies the requirements for low-halogen aboveground (Type AG) reinforced thermosetting resin conduit (RTRC) and fittings for installation and use in accordance with the *Canadian Electrical Code, Part I*, and the *National Electrical Code*, in non-hazardous locations.

The products specified in this standard are intended for use at -40 °C (-40 °F) to 110 °C (230 °F). The products are for use above ground in exposed and concealed locations. The products are also suitable for use below ground by direct burial or by encasement in concrete.

Type AG conduit has not been evaluated for directional boring applications.

This standard covers ID (dimensions based on inside diameters) and IPS (dimensions based on outside diameters of iron pipe sizes) conduit and fittings. Trade sizes (metric designators) are 1/2 (16) to 6 (155).

ID and IPS conduit are designated as SW (Standard Wall) or HW (Heavy Wall), which refer to specific wall thicknesses.

CAN/CSA-C22.2 No. 61010-2-020-09, 2nd edition (bilingual)

Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 2-020: Particular requirements for laboratory centrifuges (Adopted CEI/IEC 61010-2-020:2006, second edition, without modification)

PDF only \$125

This standard applies to electrically powered laboratory centrifuges.



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

CAN/CSA-C22.2 No. 61058-1-09, 2nd edition

Switches for Appliances — Part 1: General Requirements (bi-national standard with UL 61058-1, fourth edition. Adopted IEC 61058-1:2008, edition 3.2, with Canadian/US national deviations)

PDF only \$475

This standard applies to switches (mechanical or electronic) for appliances actuated by hand, by foot or by other human activity, to operate or control electrical appliances and other equipment for household or similar purposes with a rated voltage not exceeding 480 V and a rated current not exceeding 63 A.

These switches are intended to be operated by a person, via an actuating member or by actuating a sensing unit. The actuating member or sensing unit can be integral with or arranged separately, either physically or electrically, from the switch and may involve transmission of a signal – for example electrical, optical, acoustic or thermal – between the actuating member of the sensing unit and the switch.

Switches that incorporate additional control functions governed by the switch function are within the scope of this standard.

CAN/CSA-C61000-3-13-09, 1st edition

Electromagnetic compatibility (EMC) — Part 3-13: Limits — Assessment of emission limits for the connection of unbalanced installations to MV, HV and EHV power systems (Adopted IEC/TR 61000-3-13:2008, first edition, without modification)

PDF only \$195

This standard provides guidance on principles that can be used for determining the requirements for the connection of unbalanced installations (i.e. three-phase installations causing voltage unbalance) to MV, HV and EHV public power systems. For the purposes of this standard, an unbalanced installation means a three-phase installation (which may be a load or a generator) that produces voltage unbalance on the system. The connection of single-phase installations is not specifically addressed, as the connection of such installations is under the control of the system operator or owner. However, the general principles however may be adapted when considering the connection of single-phase installations.

The primary objective is to provide guidance to system operators or owners on engineering practices, which will facilitate the provision of adequate service quality for all connected customers. In addressing installations, this document is not intended to replace equipment standards for emission limits.

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

CAN/CSA-C61000-4-6-09, 2nd edition (bilingual)

Electromagnetic compatibility (EMC) — Part 4-6: Testing and measurement techniques — Immunity to conducted disturbances, induced by radio-frequency fields (Adopted IEC 61000-4-6:2003, second edition, including Amendment 1:2004 and Amendment 2:2006, without modification)

PDF only \$220

This standard relates to the conducted immunity requirements of electrical and electronic equipment to electromagnetic disturbances coming from intended radio-frequency (RF) transmitters in the frequency range 9 kHz up to 80 MHz. Equipment not having at least one conducting cable (such as mains supply, signal line or earth connection) that can couple the equipment to the disturbing RF fields is excluded.

The object of this standard is to establish a common reference for evaluating the functional immunity of electrical and electronic equipment when subjected to conducted disturbances induced by radio-frequency fields. The test method documented in this standard describes a consistent method to assess the immunity of an equipment or system against a defined phenomenon.

CAN/CSA-C61000-6-1-09, 1st edition (bilingual)

Electromagnetic compatibility (EMC) — Part 6-1: Generic standards — Immunity for residential, commercial and light-industrial environments (Adopted IEC 61000-6-1:2005, second edition, without modification)

PDF only \$85

This standard for EMC immunity requirements applies to electrical and electronic apparatus intended for use in residential, commercial and light-industrial environments. Immunity requirements in the frequency range 0 Hz to 400 GHz are covered. No tests need to be performed at frequencies where no requirements are specified.

This standard is applicable if no relevant dedicated product or product-family EMC immunity standard exists.

CAN/CSA-CEI/IEC CISPR 13-09, 1st edition (bilingual)

Sound and television broadcast receivers and associated equipment — Radio disturbance characteristics — Limits and methods of measurement (Adopted IEC CISPR 13:2001, edition 4.0, including Amendment 1:2003 and Amendment 2:2006, without modification)

PDF only \$220

This standard applies to the generation of electromagnetic energy from sound and television receivers for the reception of broadcast and similar transmissions and from associated equipment. The frequency range covered extends from 9 kHz to 400 GHz.



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

CAN/CSA-E60974-5-09 (bilingual)

Arc welding equipment — Part 5: Wire feeders (Adopted IEC 60974-5:2007, second edition, with Canadian deviations)

PDF only \$95

This standard specifies safety and performance requirements for industrial and professional equipment used in arc welding and allied processes to feed filler wire.

The wire feeder may be a stand-alone unit which may be connected to a separate welding power source or one where the welding power source and the wire feeder are housed in a single enclosure.

The wire feeder may be suitable for manually or mechanically guided torches.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

CAN/CSA-C22.2 n° 61010-2-020-09, 2^e édition (bilingue)

Règles de sécurité pour appareils électriques de mesurage, de régulation et de laboratoire — Partie 2-020 : Exigences particulières pour centrifugeuses de laboratoire (norme CEI/IEC 61010-2-020:2006, deuxième édition, adoptée sans modification)

PDF seulement 125 \$

Cette norme est applicable aux centrifugeuses de laboratoire alimentées en énergie électrique.

CAN/CSA-C61000-4-6-09, 2^e édition (bilingue)

Compatibilité électromagnétique (CEM) — Partie 4-6 : Techniques d'essai et de mesure — Immunité aux perturbations conduites, induites par les champs radioélectriques (norme CEI 61000-4-6:2003, deuxième édition, comprenant l'amendement 1:2004 et l'amendement 2:2006, adoptée sans modification)

PDF seulement 220 \$

Cette norme se rapporte aux prescriptions relatives à l'immunité en conduction des équipements électriques et électroniques aux perturbations électromagnétiques provoquées par des émetteurs RF, dans la plage de fréquences de 9 kHz à 80 MHz. Les matériels n'ayant pas au moins un câble conducteur (tel que cordons d'alimentation, lignes de transmission de signaux ou connexions de mise à la terre) pouvant coupler les matériels aux champs RF perturbateurs ne sont pas concernés par cette norme.

L'objet de cette norme est d'établir une référence commune dans le but d'évaluer l'immunité fonctionnelle des matériels électriques et électroniques, quand ils sont soumis aux perturbations conduites induites par les champs radiofréquence. La méthode d'essai documentée dans cette partie de la CEI 61000, décrit une méthode cohérente dans le but d'évaluer l'immunité d'un matériel vis-à-vis d'un phénomène défini.

Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

CAN/CSA-C61000-6-1-09, 1^{re} édition (bilingue)

Compatibilité électromagnétique (CEM) — Partie 6-1 : Normes génériques — Immunité pour les environnements résidentiels, commerciaux et de l'industrie légère (norme CEI 61000-6-1:2005, deuxième édition, adoptée sans modification)

PDF seulement 85 \$

Cette norme concernant les exigences d'immunité en matière de compatibilité électromagnétique s'applique aux appareils électriques et électroniques destinés à être utilisés dans des environnements résidentiels, commerciaux et de l'industrie légère. Cette partie couvre les exigences d'immunité dans la gamme de fréquences de 0 Hz à 400 GHz. Il n'est pas nécessaire de réaliser des essais aux fréquences pour lesquelles aucune exigence n'est spécifiée.

Cette norme générique d'immunité CEM s'applique en l'absence de norme d'immunité CEM applicable, spécifique à un produit ou à une famille de produits.

CAN/CSA-CEI/IEC CISPR 13-09, 1^{re} édition (bilingue)

Récepteurs de radiodiffusion et de télévision et équipements associés — Caractéristiques des perturbations radioélectriques — Limites et méthodes de mesure (norme CEI CISPR 13:2001, quatrième édition, comprenant l'amendement 1:2003 et l'amendement 2:2006, adoptée sans modification)

PDF seulement 220 \$

Cette norme s'applique à la production d'énergie électromagnétique provenant des récepteurs de radiodiffusion et de télévision pour la réception des transmissions de radiodiffusion et similaires, et des équipements associés. La gamme de fréquences considérée s'étend de 9 kHz à 400 GHz.

CAN/CSA-E60974-5-09, 2^e édition (bilingue)

Matériel de soudage à l'arc — Partie 5 : Dévidoirs (norme CEI 60974-5, deuxième édition, adoptée avec exigences propres au Canada)

PDF seulement 95 \$

Cette norme spécifie les exigences de sécurité et de performance pour le matériel utilisé en soudage à l'arc et les techniques connexes pour l'alimentation en fil d'apport.

Le dévidoir peut être une unité indépendante pouvant être raccordée à une source de courant de soudage séparée ou une unité intégrant la source de courant de soudage et le dévidoir dans une enveloppe unique.

Le dévidoir peut être adapté aux torches guidées manuellement ou mécaniquement.

Amendments

C22.2 No. 48-09

Nonmetallic Sheathed Cable

Revision of Clauses 5.2.1 and 7.5.8.2.

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



Amendments (cont'd)

CAN/CSA-C22.2 No. 110-94 (R2004)

Construction and Test of Electric Storage-Tank Water Heaters

Revision of Clauses 2.1, 4.10.1, 4.13.7.1–4.13.7.3, 5.8.1, and 5.8.2 and Appendix A.

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

C22.2 No. 178.1-07

Requirements for Transfer Switches

Revision of Clause 4.9.11.

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

CAN/CSA-C22.2 No. 227.3-05

Nonmetallic Mechanical Protection Tubing (NMPT)

Revision of the title page, the copyright page, the table of contents, the preface, Clauses 1.1, 1.2, 4.1.1, 4.2, 4.4.1, 5.7.1, 5.9.1, 6.1.1, 6.2.1.1, and 6.2.2.1, and Table 5. Deletion of the UL Foreword, Clauses 4.2.1.1, 4.2.2, 4.2.2.1, 4.2.3, and 4.2.3.1, Tables 1–4, and Figure 1.

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

CAN/CSA-C22.2 No. 236-05

Heating and Cooling Equipment

Revision of the title page, the copyright page, the table of contents, and Clauses 2, 19.29, 30.8, 33.2, 36.3, 62.2, 62.11, and 68.2. Addition of Clauses 4.4, 33.25A, 33.26A–33.26C, 36.20–36.27, 37.12–37.14, and 64A and the Table 68.1 Note.

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

Modifications publiées en français

CAN/CSA-C22.2 n° 110-94 (R2004)

Construction et essai des chauffe-eau électriques à accumulation

Des modifications ont été apportées aux articles 2.1, 4.10.1, 4.13.7.1 à 4.13.7.3, 5.8.1 et 5.8.2 et appendice A.

Cette norme est offerte en format PDF seulement.

CAN/CSA-C22.2 n° 112-97 (C2007)

Sécheuses électriques (norme binationale comprenant la deuxième édition de la norme UL 2158)

Des modifications ont été apportées à la page titre, à la préface, et l'article 4.6.1. Les articles 2.7A, 19.6 et 19.7 et figure 8 ont été ajoutés.



Reaffirmed Standards

C22.2 No. 33-M1984 (R2009)

Construction and Test of Electric Cranes and Hoists

C22.2 No. 40-M1989 (R2009)

Cutout, Junction, and Pull Boxes

C22.2 No. 53-1968 (R2009)

Electric Washing Machines

C22.2 No. 77-95 (R2009)

Motors with Inherent Overheating Protection

C22.2 No. 82-1969 (R2009)

Tubular Support Members and Associated Fittings for Domestic and Commercial Service Masts

C22.2 No. 109-M1981 (R2009)

Commercial Cooking Appliances

C22.2 No. 128-95 (R2009)

Vending Machines

C22.2 No. 129-05 (R2009)

Neutral Supported Cables

C22.2 No. 142-M1987 (R2009)

Process Control Equipment

CAN/CSA-C22.2 No. 150-M89 (R2009)

Microwave Ovens

C22.2 No. 193-M1983 (R2009)

High Voltage Full-Load Interrupter Switches

C22.2 No. 195-M1987 (R2009)

Motor Operated Food Processing Appliances

CAN/CSA-C88-M90 (R2009)

Power Transformers and Reactors



Withdrawn Standards

C22.2 No. 178-1978 (R2006)

Automatic Transfer Switches

CAN/CSA-E335-2-4-94 (R2005)

Safety of household and similar electrical appliances — Part 2: Particular requirements for spin extractors (Adopted CEI/IEC 335-2-4:1993, fourth edition, with Canadian deviations)

CAN/CSA-E60335-2-34-01 (R2006)

Safety of household and similar electrical appliances — Part 2-34: Particular requirements for motor compressors (Adopted CEI/IEC 60335-2-34:1999, third edition, with Canadian deviations)

CAN/CSA-E60335-2-45-01 (R2006)

Safety of household and similar electrical appliances — Part 2: Particular requirements for portable heating tools and similar appliances (Adopted CEI/IEC 335-2-45:1996, second edition, with Canadian deviations)

CAN/CSA-E60335-2-58-01 (R2006)

Safety of household and similar electrical appliances — Part 2: Particular requirements for commercial electric dishwashing machines (Adopted CEI/IEC 335-2-58:1995, second edition, with Canadian deviations)

CAN/CSA-E60335-2-62-01 (R2006)

Safety of household and similar electrical appliances — Part 2: Particular requirements for commercial electric rinsing sinks (Adopted CEI/IEC 335-2-62:1996, second edition, with Canadian deviations)

CAN/CSA-E335-2-66-95 (R2005)

Safety of household and similar electrical appliances — Part 2: Particular requirements for water-bed heaters (Adopted CEI/IEC 335-2-66:1993, first edition, with Canadian deviations)

CAN/CSA-E60335-2-71:06

Household and similar electrical appliances — Safety — Part 2-71: Particular requirements for electrical heating appliances for breeding and rearing animals (Adopted CEI/IEC 60335-2-71:2005, second edition, with Canadian deviations)



Certification and Testing (CSA International)

Certification Notices

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

Effective Date	Subject	Title
December 15, 2009	Publication of Update No. 2 to CSA standard C22.2 No. 227.2.1-04, <i>Liquid-Tight Flexible Nonmetallic Conduit</i> (bi-national standard with UL 1660).	Conduit No. 22
December 31, 2009	Publication of Update No. 4 to CSA standard C22.2 No. 42-99, <i>General Use Receptacles, Attachment Plugs and Similar Wiring Devices</i> . Ground Fault Circuit Interrupter (GFCI) devices, combined with receptacles having tamper-resistant features, CSA-certified to the CSA standard C22.2 No. 144.1, shall comply with the new test requirements and new marking requirements of Update No. 4 to CSA standard C22.2 No. 42-99.	Ground Fault Circuit Interrupters No. 7
December 31, 2009	Publication of Update No. 4 to CSA standard C22.2 No. 42-99, <i>General Use Receptacles, Attachment Plugs and Similar Wiring Devices</i> .	Wiring Devices No. 56
December 31, 2009	Publication of Update No. 2 to CSA standard C22.2 No. 130-03, <i>Requirements for Electrical Resistance Heating Cables and Heating Device Sets</i> . (Supersedes Wiring Devices No. 37.)	Wiring Devices No. 37A
January 1, 2010	Publication of the second edition of CSA standard CAN/CSA-C681-06, <i>Performance of Self-Ballasted Compact Fluorescent lamps and Ballasted Adapters</i> .	Verification Service Announcement No. 35
January 5, 2010	Publication of CSA standard C22.2 No. 45.2-08, <i>Electrical Rigid Metal Conduit — Aluminum, Red Brass, and Stainless Steel</i> (bi-national standard with UL 6A, 2nd edition).	Conduit No. 23
March 10, 2010	Publication of Update No. 2 to CSA standard C22.2 No. 243-01, <i>Vacuum Cleaners, Blower Cleaners and Household Floor Finishing Machines</i> (bi-national standard with UL 1017).	Vacuum Cleaners and Blower Cleaners No. 9
March 31, 2010	Publication of Amendments to UL 1059, <i>Terminal Blocks</i> . (Supersedes Wiring Devices No. 40.)	Wiring Devices No. 40A

**Certification Notices (cont'd)**

Effective Date	Subject	Title
April 1, 2010	Publication of CSA standard C22.2 No. 250.7-07, <i>Extra-low-voltage Landscape Lighting Systems</i> . (Supersedes Lighting Products No. 34.)	Lighting Products No. 52
May 3, 2010	Publication of CSA standard C22.2 No. 96-09, <i>Portable Power Cables</i> .	Wire and Cable No. 147
May 31, 2010	Transfer of existing certifications of shielded and concentric neutral power cables to CSA standard C68.5-05, <i>Primary Shielded and Concentric Neutral Cable for Distribution Utilities</i> .	Wire and Cable No. 142
May 31, 2010	Publication of CSA standard C68.10-08, <i>Shielded Power Cable for Commercial and Industrial Applications, 5-46 KV</i> .	Wire and Cable No. 139
May 31, 2010	Extension of effective date for CSA standard CAN/CSA-C22.2 No. 42.1-00, <i>Cover Plates for Flush-Mounted Wiring Devices</i> (bi-national standard with UL 514D).	Wiring Devices No. 39A
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
July 1, 2010	Publication of Update No. 2 to CSA standard C22.2 No. 62.1-03, <i>Nonmetallic Surface Raceways and Fittings</i> (bi-national standard with UL5A).	Raceways and Fittings No. 7
July 31, 2010	Publication CSA standard CAN/CSA-C22.2 No. 71.2-2008, <i>Electric Bench Tools</i> .	Electric Tools No. 22
September 17, 2010 (existing certifications)	Publication of CSA standard C22.2 No. 250.0-08, <i>Luminaires</i> (bi-national standard with UL 1598, 3rd edition). (Supersedes Lighting Products No. 35, 35A, and 47.)	Lighting Products No. 53
December 1, 2010	Publication of CSA standard CAN/CSA-C22.2 No. 60950-1-07 (bi-national standard with UL 60950-1).	Information Technology and Electrical Business Equipment No. 16
December 15, 2010	Publication of the CSA standard C22.2 No. 43-08, <i>Lampholders</i> (bi-national standard with UL 496).	Wiring Devices No. 58

Certification Notices (cont'd)

Effective Date	Subject	Title
February 28, 2011	Publication of CSA standard C22.2 No. 52-09, <i>Underground Secondary and Service-Entrance Cables.</i>	Wire and Cable No. 143
January 1, 2012	Publication of CSA standard CAN/CSA- E61131-2:06, <i>Programmable controllers — Part 2: Equipment requirements and tests</i> (Adopted IEC 61131-2:2003, second edition, with Canadian deviations).	Programmable Controllers No. 1
May 1, 2012	Publication of bi-national standard CSA C22.2 No. 66-06 Series and UL 5085 Series, <i>Low Voltage Transformers.</i>	Transformers No. 6
August 21, 2016	Publication of CSA standard CAN/CSA-C22.2 No. 60335-2-24-06, <i>Safety Requirements for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Refrigerating Appliances, Ice Cream Appliances and Ice Makers</i> (tri-national standard with UL 60335-2-24 and NMX-J-521/2-24-ANCE-2006. Adopted IEC 60335-2-24:2002, sixth edition, with national deviations).	Household Refrigerators and Freezers No. 3