



# Electrical/Electronics

## New Standards & Editions

**C22.2 No. 0.15-01, 3rd edition**  
*Adhesive Labels* . . . . . \$55

This standard applies to permanent adhesive labels and nameplates intended for use indoors or outdoors on application surfaces that are essentially clean, smooth, flat, or simple-curved.

The standard includes requirements for legibility of text and other mandatory information and adhesion of the label when subjected to various environmental conditions. Requirements are included for permanent labels intended for use in normal and additional special applications.

This standard also includes provisions for the testing of overlaminating films and laminating/transfer adhesives.

**C22.2 No. 107.2-01, 2nd edition**  
*Battery Chargers* . . . . . \$125

This standard applies to battery chargers for use on nominal system voltages not exceeding 600 V intended for household, commercial, or industrial use in accordance with the rules of the *Canadian Electrical Code, Part I*.

This standard applies to the following:

- portable, mobile, and stationary battery chargers for indoor and outdoor use
- fixed battery chargers for indoor use
- battery chargers for special applications such as wheelchairs and other medical applications
- marine battery chargers intended to be permanently installed on a boat
- transformerless non-isolated battery chargers for charging special-purpose battery packs.

**C22.2 No. 243-01, 3rd edition**  
*Vacuum Cleaners, Blower Cleaners, and Household Floor Finishing Machines* (Bi-national, with UL 1017) . . . . . \$90

This standard applies to motor-operated vacuum cleaners and blower cleaners, and to household-use floor finishing machines to be used in accordance with the *Canadian Electrical Code Part I*, and the *National Electrical Code*, ANSI/NFPA 70.

## New Standards & Editions (cont'd)

The C22.2 No. 243 requirements cover the following:

- household, commercial, and coin-operated vacuum cleaning machines and blower cleaners intended for indoor or outdoor use or both
- household, commercial, and coin-operated wet pick-up, dry pick-up, permanently mounted, portable, and central vacuum cleaners and blower cleaner systems
- household current-carrying hoses for dry pick-up, indoor use
- household accessory electrified wall valves for central vacuum cleaning systems for connection of current-carrying hose/motorized nozzle combinations
- household electrically powered floor finishing machines, including floor polishers, floor scrubbers, floor sanders, rug shampooers, rug and floor washers, and similar machines.

**C22.3 No. 1-01, 7th edition**  
*Overhead Systems* . . . . . \$85

This standard applies to the lines and equipment of electric supply and communication utilities located entirely outside of buildings and fenced supply stations.

This standard, which forms part of the *Canadian Electrical Code, Part III*, provides requirements for the construction of overhead systems. It includes electric supply and communication circuits installed alone, in joint use, or in proximity to each other or other facilities; circuits crossing each other or other facilities; and circuits crossing railways or highways, or land likely to be traversed by vehicles or pedestrians.

**CAN/CSA-E60079-1-02, 2nd edition**  
*Electrical Apparatus for Explosive Gas Atmospheres—Part 1: Flameproof Enclosures "d"* (Adopted IEC 60079-1:2001, fourth edition, 2001-02, including Technical Corrigendum 1:2001) . . . . \$85

This standard contains the specific requirements for the construction and testing of electrical apparatus with the type of protection *flameproof enclosure "d"*, intended for use in potentially explosive gas atmospheres.



## New Standards & Editions (cont'd)

**CAN/CSA-E60079-6:02, 2nd edition**  
*Electrical Apparatus for Explosive Gas Atmospheres—Part 6: Oil Immersion "o"* (Adopted CEI/IEC 79-6 (1995), second edition) . . . . . \$115

This standard specifies the requirements for the construction and testing of oil-immersed electrical apparatus, oil-immersed parts of electrical apparatus and Ex components in the "o" type of protection, intended for use in potentially explosive atmospheres of gas, vapour and mist.

This standard supplements IEC 79-0, the requirements of which apply to oil-immersed electrical apparatus.

This standard applies to electrical apparatus and parts of electrical apparatus that are not ignition-capable in normal operation.

**CAN/CSA-E60730-2-8:01, 2nd edition**  
*Automatic Electrical Controls for Household and Similar Use—Part 2-8: Particular Requirements for Electrically Operated Water Valves, Including Mechanical Requirements* (Adopted CEI/IEC 60730-2-8:2000, second edition, 2000-02) . . . \$105

This standard applies to electrically operated water valves for use in, on, or in association with equipment for household and similar use that may use electricity, gas, oil, soild fuel, solar thermal energy, etc., or a combination of these, including heating, air-conditioning and similar applications.

This standard also applies to electrically operated water valves for appliances covered by IEC 60335.

**CAN/CSA-E60730-2-9:01, 2nd edition**  
*Automatic Electrical Controls for Household and Similar Use—Part 2-9: Particular Requirements for Temperature Sensing Controls* (Adopted CEI/IEC 60730-2-9:2000, second edition, 2000-05) . . . \$105

This standard applies to automatic electrical temperature sensing controls for use in, on, or in association with equipment for household and similar use, including electrical controls for heating, air-conditioning and similar applications. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc., or a combination of these.

This standard applies to automatic electric controls using NTC or PTC thermistors.

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## Nouvelles parutions en français

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**C22.2 n° 45-M1981 (C1999), 5<sup>e</sup> édition**  
*Conduits métalliques rigides* . . . . . 35 \$

Cette norme vise les conduits rigides en acier doux, en aluminium, en cuivre ou en alliage de cuivre et de silicium destinés à être utilisés comme canalisations métalliques pour le passage de fils et de câbles conformément au *Code canadien de l'électricité, Première partie*. Elle porte aussi sur les raccords, mamelons, coudes et courbes utilisés pour raccorder des longueurs droites de conduit rigide.

**CAN/CSA-E60079-6-02, 2<sup>e</sup> édition**  
*Matériel électrique pour atmosphères explosives gazeuses—Partie 6 : Immersion dans l'huile « o »* (norme CEI/IEC 79-6 (1995) adoptée, deuxième édition) . . . . . 115 \$

Cette norme spécifie les règles de construction et d'essais du matériel électrique à immersion dans l'huile, des parties de matériel électrique à immersion dans l'huile et de composants Ex, mode de protection «o», destinés à être utilisés dans des atmosphères explosibles de gaz, vapeur et brouillard.

La présente norme complète la CEI 79-0, dont les prescriptions s'appliquent au matériel électrique immergé dans l'huile.

La présente norme est applicable aux matériels électriques et aux parties de matériel électrique qui ne produisent pas d'arcs ou étincelles en service normal.

**CAN/CSA-E60730-2-8:01, 2<sup>e</sup> édition**  
*Dispositifs de commande électrique automatiques à usage domestique et analogue—Partie 2-8 : Règles particulières pour les électrovannes hydrauliques, y compris les prescriptions mécaniques* (norme CEI/IEC 60730-2-8:2000 adoptée, deuxième édition, 2000-02) . . . . . 105 \$

Cette norme s'applique aux électrovannes hydrauliques destinées à être utilisées dans ou en association avec des appareils domestiques et à usage analogue pouvant utiliser de l'électricité, des combustibles gazeux, liquides ou solides, de l'énergie thermique solaire, etc. ou une combinaison de ces énergies, pour des applications comme le chauffage, la climatisation et applications similaires.

Cette norme s'applique également aux électrovannes hydrauliques destinées aux appareils électrodomestiques entrant dans le cadre de la CEI 60335.



## Nouvelles parutions (suite)

CAN/CSA-E60730-2-9:01, 2<sup>e</sup> édition

*Dispositifs de commande électrique automatiques à usage domestique et analogue—Partie 2-9 : Règles particulières pour les dispositifs de commande thermosensibles* (norme CEI/IEC 60730-2-9:2000 adoptée, deuxième édition, 2000-05) . . . . . 105 \$

Cette norme s'applique aux dispositifs de commande électrique automatiques thermosensibles pour usage dans, sur ou en association avec des appareils à usage domestique et analogue, y compris les dispositifs de commande électrique pour le chauffage, le conditionnement d'air et applications analogues. Le matériel peut fonctionner à l'électricité, au gaz, au pétrole, aux combustibles solides, à l'énergie solaire, etc., ou à une de leurs combinaisons.

Cette norme s'applique aux dispositifs de commande électrique automatiques utilisant des thermistances NTC ou PTC.

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## Amendments

CAN/CSA-C22.2 No. 61-M89

*Household Cooking Ranges*

Revision of Clauses 6.3.1.6 and 6.3.1.13.

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## Proposed New Projects

For more information about the proposed development of the following new edition, contact Denis Vaz at 416-747-2519 or [denis.vaz@csa.ca](mailto:denis.vaz@csa.ca):

- **C22.2 No. 96, 8th edition**  
*Portable Power Cables*

For more information about the proposed development of the following new projects, contact Tim Pope at 416-747-2572 or [tim.pope@csa.ca](mailto:tim.pope@csa.ca):

- **C22.2 No. 0.19, 1st edition**  
*Requirements for Service Entrance Equipment*
- **C22.2 No. 1449, 1st edition**  
*Transient Voltage Surge Suppressors*

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## Drafts

**Please note:** Public comments about the following draft standards and proposed amendments are due by May 27, 2002.

To receive copies, or to offer comments, contact Annie Pereira at 416-747-4094 or [annie.pereira@csa.ca](mailto:annie.pereira@csa.ca):

- **C22.2 No. 42.1-00, Proposed amendments**  
*Cover Plates for Flush Mounted Wiring Devices*  
Proposed revision of Clauses 4.2.1.1 and 4.3.1.1.
- **C227.2, 4th edition**  
*Three-Phase, Live-Front Pad Mounted Transformers*

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## Proposed Endorsement of Standards

**Note:** Public comments about proposed endorsements listed in this issue are due by May 27, 2002.

For more information about the proposed endorsement of the following IEC standards, contact John O'Neill at 416-747-4042 or [john.oneill@csa.ca](mailto:john.oneill@csa.ca):

- **IEC 60216-1 (2001-07)**  
*Electrical Insulating Materials—Properties of Thermal Endurance—Part 1: Ageing Procedures and Evaluation of Test Results*
- **IEC 60455-3-5 (2001-07)**  
*Resin Based Reactive Compounds Used for Electrical Insulation—Part 3: Specifications for Individual Materials, Sheet 5: Unsaturated Polyester Based Impregnating Resins*
- **IEC 60464-2 (2001-07)**  
*Varnishes Used for Electrical Insulation—Part 2: Test Methods*
- **IEC 60464-3-1 (2001-07)**  
— *Part 3: Specifications for Individual Materials, Sheet 1: Ambient Curing Finishing Varnishes*
- **IEC 60464-3-2 (2001-07)**  
— *Part 3: Specifications for Individual Materials, Sheet 2: Hot Curing Impregnating Varnishes*
- **IEC 60684-3-100–105 (2001-07)**  
*Flexible Insulating Sleeving, Part 3: Specifications for Individual Types of Sleeving, Sheets 100 to 105: Extruded PVC Sleeving*
- **IEC 60684-3-121–124 (2001-07)**  
— *Sheets 121 to 124: Extruded Silicone Sleeving*



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## Reaffirmed Standards

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C22.2 No. 227.1-97 (R2002)  
*Electrical Nonmetallic Tubing*

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## Informs Notices (Bulletins from CSA Certification and Testing)

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Date	Subject	Title
January 31, 2002	Publication of amendment (General Instruction No. 2) to CSA standard CAN/CSA-C22.2 No. 177-92, <i>Clock-Operated Switches</i> .	Wiring Devices No. 22
February 8, 2002	Amendment to CAN/CSA-C68.3-97, <i>Shielded and Concentric Neutral Power Cables Rated 5-46kV</i> .	Wire and Cable No. 97

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## Certification Notices

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

Effective Date	Subject	Title
▶ Immediately	Amendments to CSA standard C22.2 No. 123-96, <i>Aluminum Sheathed Cables</i> . (Note: For multiconductor constructions using corrugated sheath to comply with the new mechanical tests, the effective date is February 2, 2003.)	Wire and Cable No. 96
April 16, 2002	Amendment to the second edition of UL 1786, <i>Nightlights</i> .	Lighting Products No. 38
June 1, 2002	Publication of CAN/CSA-C22.2 No. 745-1 and CAN/CSA-C22.2 No. 745-2 ( <i>Portable Electric Tools</i> ), and CAN/CSA-C22.2 No. 745-3 and CAN/CSA-C22.2 No. 745-4 ( <i>Portable Battery-Operated Tools</i> ).	Electrical Tools No. 6
August 1, 2002	Publication of TIL No. A-28, regarding interim certification requirements for non-metallic outlet boxes in ceiling installations.	Wiring Devices No. 21