



CANADIAN STANDARDS
ASSOCIATION

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Electrical/Electronics

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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 It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards.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.

CSA offers a free online service called *Keep Me Informed* that will notify registered users when each new issue of *Info Update* is published. To register go to <http://www.csa-intl.org/onlinestore/KeepMeInformed/PleaseIdentifyYourself.asp?Language=EN>.

To view the complete issue of *Info Update* visit <http://standardsactivities.csa.ca/standardsactivities/default.asp?language=en>.

What you'll find

Within each program, information is organized into the following sections:

Completed Projects / Projets terminés

▼ **New Standards – New Editions – Special Publications**

This section lists new standards, new editions (including adoptions), and special publications that have been published since the last issue of *Info Update*. To place your order call 1-800-463-6727 or visit our Online Store at <http://www.csa.ca>. Prices shown are quoted in Canadian dollars and do not include applicable taxes or shipping charges. Our office locations are listed at the end of this document.

▼ **Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français**

Cette section énumère les nouvelles normes et éditions (y compris les normes adoptées) ainsi que les publications spéciales qui ont paru depuis la dernière livraison du bulletin Info-Update. Pour commander, composez le 1 800 463-6727 ou visitez notre Boutique en ligne, au <http://www.csa.ca>. Les prix sont indiqués en dollars canadiens et ne comprennent pas les taxes pertinentes ni les frais d'expédition. La liste de nos bureaux est présentée à la fin de ce document.

▼ **Amendments**

Amendments are issued periodically for some standards. This section lists amendments that have been published since the last issue of *Info Update*. Most amendments are made available to the purchaser free of charge by returning the update notification card included in the standard or registering online for the update service through the Online Store at <http://www.csa.ca> and clicking on "My Account" on the navigation bar. Amendments developed by other standards development organizations, and adopted by CSA are made available for a fee. The prices shown are quoted in Canadian dollars and do not include applicable taxes or shipping charges.

▼ **Modifications publiées en français**

Dans le cas de certaines normes, des modifications sont publiées à intervalles réguliers. Cette section présente la liste des modifications publiées depuis la dernière livraison du bulletin *Info-Update*. La plupart des modifications étant offertes gratuitement, vous n'avez qu'à remplir et à nous retourner la carte d'avis de mise à jour incluse avec chaque norme. Vous pouvez également vous inscrire en direct à notre service de mise à jour en vous rendant à la Boutique en ligne, au <http://www.csa.ca>, et en cliquant sur le bouton « Mon compte » de la barre de navigation. Des frais s'appliquent toutefois aux modifications élaborées par d'autres organismes de normalisation et adoptées par la CSA. Les prix sont indiqués en dollars canadiens et ne comprennent pas les taxes pertinentes ni les frais d'expédition.

▼ **Adopted Standards**

Adopted standards have been developed by another standards development organization and have been approved by our technical committee for use in Canada, with or without modification. They are available for sale from CSA. You will find published adopted standards listed under "New Standards — New Editions — Special Publications."

▼ **Endorsed Standards**

Endorsed standards have been developed by another standards development organization, and have been approved by the appropriate CSA technical committee for use in Canada.

Endorsed standards are not sold by CSA.

For copies, contact the originating organization or Global Info Centre Canada at 1-800-854-7179 or 613-237-4250; fax 613-237-4251; e-mail gic@ihscanada.ca; Web site <http://www.global.ihs.com>.

Completed Projects (cont'd) / Projets terminés (suite)

▼ Reaffirmed Standards

The standards listed in this section have been reviewed to determine if they remain technically valid and are acceptable for use until the next edition is published or for a further five years.

▼ Withdrawn Standards

The standards listed in this section have been withdrawn. Most withdrawn standards are available from our archived collection. Some copies may not be in original format.

To order, call toll-free 1-800-463-6727 (in Toronto, 416-747-4044).

▼ Formal Interpretations

This section lists questions that individuals have submitted about a particular standard. Each question has been reviewed and answered by the appropriate committee. If you would like to submit a question about a particular standard, please see the end notes in the preface of that standard.

Under Development

The *Under Development* section formerly published in *Info Update* is now available directly on the CSA website. This enhancement allows us to provide you with these important notifications on a more timely basis. To visit the new "Current Standards Activities" page, go to: <http://standardsactivities.csa.ca/standardsactivities/default.asp?language=en>.

Certification and Testing (CSA International)

▼ Informs Notices (Bulletins from CSA International)

An *Informs* is a notice containing information only. It does not contain anything that would require you to resubmit products for certification. If you would like a copy of an *Informs* notice, call CSA International at 416-747-4171, or fax 416-747-2476.

▼ Certification Notices

Certification notices inform you about changes that would require a product to be resubmitted for certification or about critical factors that may affect a product's certification. Products must comply with the changed requirements by the effective dates given.

CSA certification and testing clients receive these notices automatically. If you did not receive a copy or would like to receive one, call CSA International at 416-747-2488, or fax 416-747-4173.



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.4-09 Package (PDF Only)..... \$995

This package consists of the following:

- **C22.4 No. 1**, Objective-Based Industrial Electrical Code, 1st edition
This Code is intended for use by an authorized user in conjunction with the implementation of a safety management system developed in accordance with CSA C22.4 No. 2, *Objective-Based Industrial Electrical Code — Safety Management System Requirements*, and as detailed in the authorized user's objective-based industrial electrical code (OBIEC) safety management manual. This Code provides references to applicable industry-recognized standards, codes, and recommended practices. This Code is intended to apply only to industrial facilities.

This Code is not intended to permit the use or modification of electrical equipment in a manner outside either the application for which the equipment was certified or the written instructions provided by the manufacturer.

This Code specifies objectives to provide for the safety of persons, livestock, and property against dangers and damage that can arise from the use of electrical installations and to provide for the proper functioning of those installations. In addition, this Code sets objectives for the protection of property against damage, if the damage can lead to unsafe events or conditions for persons and livestock.

This Code specifies safety objectives for the following criteria in relation to electrical systems operating or intended to operate at all voltages in electrical installations within industrial facilities:

- design;
 - selection of electrical equipment;
 - erection and verification; and
 - operation and maintenance.
- **C22.4 No. 2**, *Objective-Based Industrial Electrical Code — Safety Management System Requirements, 1st edition*
This standard is intended to be used by an organization to develop an objective-based industrial electrical code (OBIEC) safety management system, as described in an OBIEC safety management manual acceptable to the authority having jurisdiction (AHJ), in conjunction with CSA C22.4 No. 1.
This standard specifies requirements for developing and maintaining a safety management system (SMS) for the administration of the OBIEC.



Amendments

C22.2 No. 107.2-01 (R2007)

Battery Chargers

Revision of the Table of Contents, Clauses 4.2.5.4, 4.2.5.10, 4.4.2.4, 6.17.2.1, 9.4.5.4, 9.4.5.6, and 9.4.7.1, and Figure 3. Deletion of Clauses 4.2.5.11, 4.2.5.12, 9.2.3, and 9.2.8.3, and Figure 4.

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

C22.2 No. 111-00 (R2005)

General-Use Snap Switches (bi-national standard with UL 20, twelfth edition)

Revision of the title page, the copyright page, the Contents, the Preface, Clauses 5.6.8, 5.7.4, 5.7.7, and 5.7.9, and Table 7. Deletion of the CSA and UL Forewords and Clause 5.7.8.

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

C22.2 No. 155-M1986 (R2004)

Electric Duct Heaters

Revision of the Contents. Addition of Clauses 4.1.8.1, 4.1.8.4, 4.1.8.7, and 5.13.

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

CAN/CSA-E60691:08

Thermal-links — Requirements and application guide (Adopted CEI/IEC 60691:2002, third edition, with Canadian deviations)

Revision of the Canadian deviations to Clauses 9.2 and 9.3.

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

Modifications publiées en français

CAN/CSA-E60691:08

Protecteurs thermiques (norme CEI/IEC 60691:2002, troisième édition, adoptée avec exigences propres au Canada)

Des modifications visant les exigences propres au Canada ont été apportées aux articles 9.2 et 9.3.

Cette norme est offerte en format PDF seulement.

Reaffirmed Standards

CAN/CSA-C22.2 No. 4-04 (R2009)

Enclosed and Dead-Front Switches (tri-national standard with NMX-J-162-ANCE, seventh edition, and UL 98, thirteenth edition)

Formal Interpretations

The following interpretation regarding Clause 8.1.6 of CSA standard **C22.2 No. 18.1**, *Metallic Outlet Boxes*, has been approved by the Technical Committee on Wiring Products (TCWP).

Question: Can the descriptive examples and requirement for, “an equivalent means” for grounding screw retention in Clause 8.1.6 of C22.2 No. 18.1, *Metallic Outlet Boxes*, equally apply to C22.2 No. 18.2, *Nonmetallic Outlet Boxes*, which simply states in Clause 4.2.9.1 that a “wire-retaining means shall be provided”?

Answer: Yes.

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
October 17, 2008	Publication of Update No. 2 to CSA standard C22.2 No. 24-93, <i>Temperature-Indicating and -Regulating Equipment</i> .	Signal Sensing and Controls No. 6
October 31, 2008	Publication of CSA standard C22.2 No. 2459-08, <i>Insulated Multi-Pole Splicing Wire-Connectors</i> (bi-national standard with UL 2459).	Wiring Devices No. 54
January 12, 2009	Publication of Technical Information Letter No. J-38, <i>Knockouts in Metal Wireways</i> , which provides interim certification requirements for knockouts in metal wireways. These requirements replace the requirements of CSA standard C22.2 No. 26 for knockouts.	Wiring Products No. 12
January 12, 2009	Publication of Update No. 2 to CSA standard CAN/CSA-C22.2 No. 0.4-04, <i>Bonding and Electrical Equipment</i> . (Supplementary to Electrical Products No. 3.)	Electrical Products No. 3A



Certification Notices

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

Effective Date	Subject	Title
February 27, 2009	New and revised requirements in standard UL 588, <i>Seasonal and Holiday Decorative Products, 18th edition.</i>	Lighting Products No. 50
April 30, 2009	Publication of Update No. 4 to CSA standard C22.2 No. 112-97 (R2007), <i>Electric Clothes Dryers</i> (bi-national standard with UL 2158). The update contains revisions for installation instructions.	Clothes Dryer Equipment No. 4
July 1, 2009	Publication of CSA standard CAN/CSA-E60691:08, <i>Thermal-Links — Requirements and Application Guide</i> (Adopted CEI/IEC 60691:2002, third edition, including Amendment 1:2006, with Canadian deviations).	Signal Sensing and Controls No. 5
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>	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

Certification Notices (cont'd)

Effective Date	Subject	Title
March 31, 2010	Publication of Amendments to UL 1059, <i>Terminal Blocks</i> . (Supersedes Wiring Devices No. 40.)	Wiring Devices No. 40A
▶ 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 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
▶ September 17, 2010 (existing certifications) Immediately for new applications.	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
January 1, 2012	Publication of CAN/CSA-E61131-2:06, <i>Programmable controllers — Part 2: Equipment requirements and tests</i> (Adopted IEC 61131-2:2003, 2nd edition, with Canadian deviations).	Programmable Controllers No. 1
May 1, 2012 (Canada)	Publication of bi-national standard CSA C22.2 No. 66-06 Series and UL 5085 Series, <i>Low Voltage Transformers</i> .	Transformers No. 6



Certification Notices (cont'd)

Effective Date	Subject	Title
August 21, 2016	Publication of 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