

Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.2 No. 65-03, 4th edition

Standard for Wire Connectors

(Tri-national with NMX-J-543-ANCE-03, 1st edition, and UL 486A-486B, 1st edition) \$245

This standard applies to connectors for use with all alloys of copper or aluminium conductors, or both, for providing contacts between current-carrying parts, in accordance with the *Canadian Electrical Code (CEC), Part I*, in Canada, as follows:

- pressure wire connectors intended to hold one or more conductor(s)
- connectors intended for use in appliances and equipment that comply with the requirements for such appliances and equipment
- soldering connectors
- splicing wire connectors intended for use with 4 AWG (21.2 mm²) or larger conductors
- neutral bars
- uninsulated connectors that are used in circuits rated 35 000 V or less
- ampere-rated connectors not intended for general use
- insulation piercing connectors

This standard does not apply to the following:

- connectors intended for direct burial
- insulated connectors for voltage levels above 600 V (1 000 V in a sign, lighting fixture, or luminaire)
- manual twist-on connectors
- built-in terminal connectors in devices rated less than 30 A intended for outlet box mounting or having provision for stress relief
- flat quick-connect terminals
- wire binding screw terminals

C22.2 No. 75-03, 8th edition

Thermoplastic-Insulated Wires and Cables

(Tri-national with NMX-J-010-ANCE-2003, 3rd edition, and UL 83, 13th edition) \$245

This standard specifies the requirements for 600 V, single-conductor, thermoplastic-insulated wires and cables for use in Canada in accordance with the *Canadian Electrical Code (CEC), Part I*.

This standard also specifies the requirements for submersible-pump cable, with or without jackets. No type-letter designations are assigned to these cables.



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

CAN/CSA-C22.2 No. 60950-21-03, 1st edition

Information Technology Equipment–Safety–Part 21: Remote Power Feeding
(Bi-national with UL 60950-21) \$245

This part of CAN/CSA-C22.2 No. 60950 is intended to be used with CAN/CSA-C22.2 No. 60950-1. This particular standard applies to information technology equipment intended to supply and receive operating power via a telecommunications network, where the voltage exceeds the limits for TNV circuits.

CAN/CSA-CEI/IEC 61000-4-15:03, 1st edition (bilingual)

Electromagnetic Compatibility (EMC)–Part 4: Testing and Measurement Techniques–Section 15: Flickermeter–Functional and Design Specifications
(Adopted CEI/IEC 61000-4-15:1997, including Amendment 1:2003, edition 1.1, without modification) \$95

This section of CAN/CSA-CEI/IEC 61000-4 gives a functional and design specification for flicker-measuring apparatus intended to indicate the correct flicker perception level for all practical voltage fluctuation waveforms. Information is presented to enable such an instrument to be constructed. A method is given for the evaluation of flicker severity on the basis of the output of flickermeters complying with this standard.

CAN/CSA-E60079-7:03, 2nd edition (bilingual)

Electrical Apparatus for Explosive Gas Atmospheres–Part 7: Increased Safety “e”
(Adopted CEI/IEC 60079-7:2001, third edition, without modification) \$190

This part of CAN/CSA-E60079 specifies the requirements for the design, construction, testing and marking of electrical apparatus with type of protection increased safety “e” intended for use in explosive gas atmospheres. This standard applies to electrical apparatus with a rated value of supply voltage not exceeding 11 kV r.m.s. a.c. or d.c. Additional measures are applied to ensure that the apparatus does not produce arcs, sparks, or excessive temperatures in normal operation or under specified abnormal conditions.

CAN/CSA-E60974-5:03, 1st edition (bilingual)

Arc Welding Equipment–Part 5: Wire Feeders (Adopted CEI/IEC 60974-5:2002, first edition, with Canadian deviations) \$80

This part of CAN/CSA-E60974 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 that 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**C22.2 n° 5-02, 1^{re} édition***Disjoncteurs à boîtier moulé et enveloppe de disjoncteurs*(Norme trinationale comprenant la 10^e édition de la norme UL 489 et la 2^e édition de la norme NMX-J-266-ANCE) 430 \$

Cette norme vise les disjoncteurs à boîtier moulé, les disjoncteurs et les disjoncteurs différentiels, les disjoncteurs protégés par fusibles et les protecteurs à courant de fuite à la terre élevés.

Cette norme vise aussi les disjoncteurs à déclenchement instantané conçus pour équiper un contrôleur de moteur combiné.

Cette norme vise les interrupteurs à boîtier moulé et les interrupteurs à boîtier moulé protégés par fusibles.

Cette norme vise les dispositifs d'au plus 600 V et 6000 A.

Les dispositifs visés sont conçus pour être installés sous enveloppe ou dans d'autres dispositifs tels des panneaux. L'acceptabilité de la combinaison sera établie au moment de l'évaluation du produit fini.

Cette norme contient des suppléments qui énoncent des exigences visant les disjoncteurs à boîtier moulé pour :

- a) usage marin ;
- b) usage naval ;
- c) alimentation sans coupure ;
- d) disjoncteurs classifiés.

CAN/CSA-C22.2 n° 60950-21-03, 1^{re} édition*Matériels de traitement de l'information–Sécurité–Partie 21 : Téléalimentation*

(norme binationale avec UL 60950-21)..... 245 \$

La présente Partie 21 de CAN/CSA-C22.2 n° 60950 est destinée à être utilisée avec la CAN/CSA-C22.2 n° 60950-1. La présente partie de la CAN/CSA-C22.2 n° 60950 s'applique aux matériels de traitement de l'information destinés à fournir et à recevoir une alimentation via un réseau de télécommunications dont la tension dépasse les limites pour les circuits TRT.

CAN/CSA-CEI/IEC 61000-4-15:03, 1^{re} édition (bilingue)*Compatibilité électromagnétique (CEM)–Partie 4 : Techniques d'essai et de mesure–Section 15 : Flickermètre–Spécifications fonctionnelles et de conception*

(norme CEI/IEC 61000-4-15:1997, y compris l'amendement 1:2003, édition 1.1, adoptée sans modification) 95 \$

La présente section de la CAN/CSA-CEI/IEC 61000-4 traite des spécifications fonctionnelles et de conception d'un appareil mesurant le flicker, destiné à indiquer le niveau correct de perception du flicker du flux lumineux (le flicker) pour toutes les formes d'ondes de fluctuation de la tension rencontrées dans la pratique. On y présente des informations permettant de construire un tel instrument. Une méthode d'évaluation de la sévérité du flicker est fournie à partir des résultats obtenus avec des flickermètres en conformité avec cette norme.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

CAN/CSA-E60079-7:03, 2^e édition (bilingue)

Matériel électrique pour atmosphères explosives gazeuses—Partie 7 : Sécurité augmentée «e»
(norme CEI/IEC 60079-7:2001, troisième édition, adoptée sans modification) 190 \$

La présente partie de la CAN/CSA-E60079 indique les prescriptions spécifiques de conception, de construction, d'essais et de marquage du matériel électrique avec mode de protection augmentée «e» destiné à être utilisé dans les atmosphères explosives gazeuses. La présente norme s'applique au matériel électrique ayant une valeur assignée de tension d'alimentation ne dépassant pas 11 kV en courant alternatif (valeur efficace) ou en courant continu. Des mesures supplémentaires sont appliquées pour que le matériel ne produise ni arc, ni étincelle, ni température excessive en fonctionnement normal ou dans des conditions anormales spécifiées.

CAN/CSA-E60974-5:03, 1^{re} édition (bilingue)

Matériel de soudage à l'arc—Partie 5 : Dévidoirs (norme CEI/IEC 60974-5:2002, première édition, adoptée avec exigences propres au Canada) 80 \$

La présente partie de la CAN/CSA-E60974 spécifie les exigences de sécurité et de performance pour le matériel industriel et professionnel utilisé lors de 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

CAN/CSA-C22.2 No. 60950-1-03

Information Technology Equipment—Safety—Part 1: General Requirements
(Binational with UL 60950-1)

Revision of the title page, the copyright page, the preface, clause 3.1.9, Table C.1, and Annex NAA.

Modifications publiées en français

CAN/CSA-C22.2 n° 60950-1-03

Matériels de traitement de l'information—Sécurité—Partie 1 : Prescriptions générales
(norme binationale avec UL 60950-1)

Des modifications ont été apportées à la page titre, la page des droits d'auteur, la préface, et l'annexe NAA.



Reaffirmed Standards

C22.2 No. 55-M1986 (R2003)

Special Use Switches

CAN/CSA-C22.2 No. 64-M91 (R2003)

Household Cooking and Liquid-Heating Appliances

C22.2 No. 79-1978 (R2003)

Cellular Metal and Cellular Concrete Floor Raceways and Fittings

C22.2 No. 80-1978 (R2003)

Underfloor Raceways and Fittings

C22.2 No. 153-M1981 (R2003)

Quick-Connect Terminals

C22.2 No. 174-M1984 (R2003)

Cables and Cable Glands for Use in Hazardous Locations

C22.2 No. 187-M1986 (R2003)

Electrostatic Air Cleaners

C22.2 No. 197-M1983 (R2003)

PVC Insulating Tape

C22.2 No. 222-M1986 (R2003)

Type FCC Under-Carpet Wiring System

CAN/CSA-C22.2 No. 223-M91 (R2003)

Power Supplies with Extra-Low-Voltage Class 2 Outputs

CAN/CSA-C68.1-92 (R2003)

Specifications for Impregnated Paper-Insulated Metallic-Sheathed Cable, Solid Type

CAN/CSA-C71-1-99 (R2003)

Insulation Coordination—Part 1: Definitions, Principles and Rules

CAN/CSA-C50052-99 (R2003)

Cast Aluminum Alloy Enclosures for Gas-Filled High-Voltage Switchgear and Controlgear
(Adopted EN 50052:1986, including Amendment A1:1990 and Amendment A2:1993, with Canadian deviations)

CAN/CSA-C50064-99 (R2003)

Wrought Aluminium and Aluminium Alloy Enclosures for Gas-Filled High-Voltage Switchgear and Controlgear (Adopted EN 50064:1989, including Amendment A1:1993, with Canadian deviations)

CAN/CSA-C50068-99 (R2003)

Wrought Steel Enclosures For Gas-Filled High-Voltage Switch Gear And Controlgear
(Adopted EN 50068:1991, including Amendment A1:1993, with Canadian deviations)



Reaffirmed Standards (cont'd)

CAN/CSA-C50069-99 (R2003)

Welded Composite Enclosures of Cast and Wrought Aluminium Alloys for Gas-Filled High-Voltage Switchgear and Controlgear (EN 50069:1991, including Amendment A1:1993, with Canadian deviations)

CAN/CSA-C50089-99 (R2003)

Cast Resin Partitions for Metal-Enclosed Gas-Filled High-Voltage Switchgear and Controlgear (Adopted EN 50089:1992, including Amendment A1:1994, with Canadian deviations)

CSA has reaffirmed its endorsement of the following IEC standard:

IEC 60672-1 (1995-06)

Ceramic and Glass Insulating Materials—Part 1: Definitions and Classification

Under Development

Notice of Intent

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

- **C22.2 No. 0, 9th edition**
General Requirements—Canadian Electrical Code, Part II
- **C22.2 No. 94.2, 1st edition**
Enclosures for Electrical Equipment—Part 2: Environmental Requirements

For more information about the proposed development of the following new projects, contact Denis Vaz at 416-747-2519 or denis.vaz@csa.ca:

- **C22.2 No. 84, 3rd edition**
Incandescent Lamps
- **C22.2 No. 198.1, 3rd edition**
Extruded Insulating Tubing

For more information about the proposed development of the following new projects, contact David Hulford at 416-747-2740 or david.hulford@csa.ca:

- **C22.2 No. 141.1, 1st edition**
Central Station for Emergency Lighting and Power Equipment
- **C22.2 No. 250.20.1, 1st edition**
Temporary Lighting Strings
- **C22.2 No. 250.20.2, 1st edition**
Flexible Light Cable Systems
- **C22.2 No. 250.570, 1st edition**
Track Lighting Strings
- **C22.2 No. 256, 1st edition**
Direct Plug-In Nightlights



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 February 18, 2004.

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. 236, 3rd edition**
Heating and Cooling Equipment

Proposed Amendments

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

- **C22.2 No. 5-02**
Molded Case Circuit Breakers, Molded Case Switches and Circuit Breaker Enclosures
Proposed revision of various clauses.
- **C22.2 No. 18.5-01**
Positioning Devices
Proposed revision of Clauses 7.2.4, 9.2, 9.4, 9.7, 9.8, 11.1, and 15.5 and Table 1.
- **C22.2 No. 89-1976 (R1999)**
Swimming Pool Luminaires, Submersible Luminaires and Accessories
Proposed revision of Clause 4.2.11.1.
- **C22.2 No. 104-01**
Humidifiers
Proposed revision of Clauses 20.19, 42.11 and 42.12.
Proposed addition of Clause 40.5.1.
- **C22.2 No. 184.1-96 (R2001)**
Solid-State Dimming Controls
Proposed revision of various clauses.
- **C22.2 No. 211.0-03**
General Requirements and Methods of Testing for Nonmetallic Conduit
Proposed addition of Clause 6.17.



Drafts for Public Review (cont'd)

Proposed Adoptions

For more information about the proposed adoption of the following IEC standards, contact Michael Wilson at 416-747-2532 or michael.wilson@csa.ca:

- **IEC 60745-2-12:2003**
*Hand-Held Motor-Operated Electric Tools–Safety–Part 2-12:
Particular Requirements for Concrete Vibrators*
- **IEC 60745-2-18:2003**
*Hand-Held Motor-Operated Electric Tools–Safety–Part 2-18:
Particular Requirements for Strapping Tools*
- **IEC 60745-2-20:2003**
*Hand-Held Motor-Operated Electric Tools–Safety–Part 2-20:
Particular Requirements for Band Saws*
- **IEC 60745-2-21:2003**
*Hand-Held Motor-Operated Electric Tools–Safety–Part 2-21:
Particular Requirements for Drain Cleaners*

For more information about the proposed adoption of the following IEC standards, contact David Hulford at 416-747-2740 or david.hulford@csa.ca:

- **IEC 60335-2-14:2002**
*Household and Similar Electrical Appliances–Safety–Part 2-14:
Particular Requirements for Electric Kitchen Machines*
- **IEC 60335-2-15:2003**
*Household and Similar Electrical Appliances–Safety–Part 2-15:
Particular Requirements for Appliances for Heating Liquids*
- **IEC 60335-2-23:2003**
*Household and Similar Electrical Appliances–Safety–Part 2-23:
Particular Requirements for Appliances for Skin or Hair Care*
- **IEC 60335-2-29:2003**
*Household and Similar Electrical Appliances–Safety–Part 2-29:
Particular Requirements for Battery Chargers*
- **IEC 60335-2-31:2002**
*Household and Similar Electrical Appliances–Safety–Part 2-31:
Particular Requirements for Range Hoods*
- **IEC 60335-2-53:2002**
*Household and Similar Electrical Appliances–Safety–Part 2-53:
Particular Requirements for Sauna Heating Appliances*
- **IEC 60335-2-55:2002**
*Household and Similar Electrical Appliances–Safety–Part 2-55:
Particular Requirements for Electrical Appliances for Use with Aquariums and Garden Ponds*

Drafts for Public Review (cont'd)

Proposed Adoptions (cont'd)

- **IEC 60335-2-59:2002**
*Household and Similar Electrical Appliances–Safety–Part 2-59:
Particular Requirements for Insect Killers*
- **IEC 60335-2-76:2002**
*Household and Similar Electrical Appliances–Safety–Part 2-76:
Particular Requirements for Electric Fence Energizers*
- **IEC 60335-2-82:2002**
*Household and Similar Electrical Appliances–Safety–Part 2-82:
Particular Requirements for Service Machines and Amusement Machines*

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-C13-M83**
Instrument Transformers

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
October 29, 2003	Publication of Technical Information Letter No. H-17, covering interim certification requirements for Signal Sensing Devices and/or Power Supplies installed in meter-mounting accessories.	Telecommunications Equipment No. 2

Certification Notices

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

Effective Date	Subject	Title
▶ January 2, 2004	Publication of Technical Information Letter No. D-27, covering the implementation of new requirements to address operational reliability of Ground Fault Circuit Interrupters.	Ground Fault Circuit Interrupters No. 4
January 2, 2004	Publication of a new edition of UL 943. The requirements in UL 943 are the basis for CSA certification to the US requirements, indicated by the CSA Mark with the <i>NRTL</i> or <i>US</i> indicator.	Ground Fault Circuit Interrupters No. 3

**Certification Notices (cont'd)**

Effective Date	Subject	Title
April 10, 2004	Publication of an amendment to the twelfth edition of UL 153, <i>Portable Electric Luminaires</i> . The requirements in UL 153 are the basis for CSA certification to the US requirements, indicated by the CSA Mark with the <i>NRTL</i> or <i>US</i> indicator.	Lighting Products No. 39
July 1, 2004	Publication of Technical Information Letter No. I-39, covering interim certification requirements that will be incorporated into the next edition of C22.2 No. 1.	Audio and Video Equipment No. 15
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
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 of Clause 17.2.2 of CSA standard C22.2 No. 250.0-00/UL 1598 “Luminaires”, to show catalog number, model number, series or other similar marking. (Supplemental to Lighting Products Notice No. 35.)	Lighting Products No. 35A
March 1, 2007	Publication of CAN/CSA-C22.2 No. 60065:03, <i>Audio, Video and Similar Electronic Apparatus—Safety Requirements</i> .	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