



CSA C22.2 No. 201:M84

National Standard of Canada

(reaffirmed 2019)



Metal-Enclosed High Voltage Busways



Standards Council of Canada
Conseil canadien des normes

Legal Notice for Standards

Canadian Standards Association (operating as "CSA Group") develops standards through a consensus standards development process approved by the Standards Council of Canada. This process brings together volunteers representing varied viewpoints and interests to achieve consensus and develop a standard. Although CSA Group administers the process and establishes rules to promote fairness in achieving consensus, it does not independently test, evaluate, or verify the content of standards.

Disclaimer and exclusion of liability

This document is provided without any representations, warranties, or conditions of any kind, express or implied, including, without limitation, implied warranties or conditions concerning this document's fitness for a particular purpose or use, its merchantability, or its non-infringement of any third party's intellectual property rights. CSA Group does not warrant the accuracy, completeness, or currency of any of the information published in this document. CSA Group makes no representations or warranties regarding this document's compliance with any applicable statute, rule, or regulation.

IN NO EVENT SHALL CSA GROUP, ITS VOLUNTEERS, MEMBERS, SUBSIDIARIES, OR AFFILIATED COMPANIES, OR THEIR EMPLOYEES, DIRECTORS, OR OFFICERS, BE LIABLE FOR ANY DIRECT, INDIRECT, OR INCIDENTAL DAMAGES, INJURY, LOSS, COSTS, OR EXPENSES, HOWSOEVER CAUSED, INCLUDING BUT NOT LIMITED TO SPECIAL OR CONSEQUENTIAL DAMAGES, LOST REVENUE, BUSINESS INTERRUPTION, LOST OR DAMAGED DATA, OR ANY OTHER COMMERCIAL OR ECONOMIC LOSS, WHETHER BASED IN CONTRACT, TORT (INCLUDING NEGLIGENCE), OR ANY OTHER THEORY OF LIABILITY, ARISING OUT OF OR RESULTING FROM ACCESS TO OR POSSESSION OR USE OF THIS DOCUMENT, EVEN IF CSA GROUP HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, INJURY, LOSS, COSTS, OR EXPENSES.

In publishing and making this document available, CSA Group is not undertaking to render professional or other services for or on behalf of any person or entity or to perform any duty owed by any person or entity to another person or entity. The information in this document is directed to those who have the appropriate degree of experience to use and apply its contents, and CSA Group accepts no responsibility whatsoever arising in any way from any and all use of or reliance on the information contained in this document.

CSA Group is a private not-for-profit company that publishes voluntary standards and related documents. CSA Group has no power, nor does it undertake, to enforce compliance with the contents of the standards or other documents it publishes.

Intellectual property rights and ownership

As between CSA Group and the users of this document (whether it be in printed or electronic form), CSA Group is the owner, or the authorized licensee, of all works contained herein that are protected by copyright, all trade-marks (except as otherwise noted to the contrary), and all inventions and trade secrets that may be contained in this document, whether or not such inventions and trade secrets are protected by patents and applications for patents. Without limitation, the unauthorized use, modification, copying, or disclosure of this document may violate laws that protect CSA Group's and/or others' intellectual property and may give rise to a right in CSA Group and/or others to seek legal redress for such use, modification, copying, or disclosure. To the extent permitted by licence or by law, CSA Group reserves all intellectual property rights in this document.

Patent rights

Attention is drawn to the possibility that some of the elements of this standard may be the subject of patent rights. CSA Group shall not be held responsible for identifying any or all such patent rights. Users of this standard are expressly advised that determination of the validity of any such patent rights is entirely their own responsibility.

Authorized use of this document

This document is being provided by CSA Group for informational and non-commercial use only. The user of this document is authorized to do only the following:

If this document is in electronic form:

- load this document onto a computer for the sole purpose of reviewing it;
- search and browse this document; and
- print this document if it is in PDF format.

Limited copies of this document in print or paper form may be distributed only to persons who are authorized by CSA Group to have such copies, and only if this Legal Notice appears on each such copy.

In addition, users may not and may not permit others to

- alter this document in any way or remove this Legal Notice from the attached standard;
- sell this document without authorization from CSA Group; or
- make an electronic copy of this document.

If you do not agree with any of the terms and conditions contained in this Legal Notice, you may not load or use this document or make any copies of the contents hereof, and if you do make such copies, you are required to destroy them immediately. Use of this document constitutes your acceptance of the terms and conditions of this Legal Notice.



Revision History

CSA C22.2 No. 201:M84, Metal-Enclosed High Voltage Busways

National Standard of Canada — June 2019
--

Outside front cover, National Standard of Canada text, and title page.
--

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

Update No. 3

C22.2 No. 201-M1984

March 2015

Note: *General Instructions for CSA Group Standards are now called Updates. For information about the **Standards Update Service** or if you are missing any updates, go to shop.csa.ca or e-mail techsupport@csagroup.org.*

Title: *Metal-Enclosed High Voltage Busways* — originally published June 1984

Revisions issued: General Instruction No. 2 — August 1986

The following revisions have been formally approved and are marked by the symbol delta (Δ) in the margin on the attached replacement pages:

Revised	Clause 1.2
New	None
Deleted	None

- Update your copy by inserting these revised pages.
- Keep the pages you remove for reference.

C22.2 No. 201-M1984

Metal-Enclosed High Voltage Busways

1 Scope

1.1

This Standard applies to indoor and outdoor metal-enclosed busways for voltages from 751 V to 46 kV, inclusive, ac or dc, intended to be used in nonhazardous locations in accordance with the Rules of the Canadian Electrical Code, Part I.

Δ 1.2

This Standard includes straight bus sections, elbows, tees, adapter boxes, wall flanges, forced-cooled and nonforced-cooled busways, isolating links, and expansion joints. It includes constructions with rigid bus conductors only.

1.3

This Standard applies to busways using air as part of the insulation system but excludes gases (other than air) and solid or liquid insulation systems.

2 Definitions

2.1

The following definitions apply in this Standard:

Isolated phase busway means a busway in which each phase conductor is enclosed by an individual metal housing separated from adjacent conductor housings by an air space.

Metal-enclosed busway means an assembly of conductors with associated connections, joints, and insulating supports within a grounded metal enclosure.

Nonsegregated phase busway means a busway in which all phase conductors are in a common metal enclosure without barriers between the phases.

Segregated phase busway means a busway in which all phase conductors are in a common metal enclosure, but are segregated by metal barriers between phases.

Note: *Busways may be self-cooled, or they may be forced-cooled by means of a circulating gas or liquid.*

3 General requirements

3.1

General requirements applicable to this Standard are given in the latest issue of CSA Standard C22.2 No. 0, General requirements — Canadian Electrical Code, Part II.