CSA C22.2 No. 178.3:17

National Standard of Canada

(reaffirmed 2022)

Transfer switch equipment, over 1000 volts

REVISED MAY 2023

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Revision History

CSA C22.2 No. 178.3:17, Transfer switch equipment, over 1000 volts — originally published September 2017

Note: *For information about the* ***Standards Update Service*** *or if you are missing any updates go to* ***store.csagroup.org*** *or* ***techsupport@csagroup.org***

Revisions issued: Update No. 1 — April 2020

Update No. 2 — May 2023	**Revision symbol (in margin)**
Cover, title page, copyright page, Preface, Clauses 23.1.1, 23.1A, 32.1, Table 16 and Figure 4 **Note:** *Only the revised pages have been provided.*	|

Update No. 1 — April 2020	**Revision symbol (in margin)**
Cover, Copyright page, Preface, Clauses 33.1.1, 37.4, 41.1, 44.5, 47.2.1, 47.2.3, 49.3, and 54.3 and Table 7 **Note:** *Only the revised pages have been provided.*	|

National Standard of Canada — April 2020
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.

The following is a list of revisions, additions and deletions to CSA C22.2 No. 178.3:17:

Update No. 2 — May 2023

Standard for Safety for Transfer Switch Equipment, Over 1000 Volts

First Edition, Dated September 5, 2017

Summary of Topics

The revision dated May 10, 2023 includes the following changes in requirements:

– Revisions to Table 16 to align with UL 347 up to 15 kV.

– Updates to service equipment requirements to align with 2020 NFPA 70; 23.1.1, 23.1A, 32.1 and Figure 4.

CSA Group
CSA C22.2 No. 178.3-17
First Edition

ULSE Inc.
UL 1008A
Second Edition

Transfer Switch Equipment, Over 1000 Volts

September 5, 2017

(Title Page Reprinted: May 10, 2023)

Approved American National Standard

ANSI/UL 1008A-2023

Commitment for Amendments

This standard is issued jointly by the Canadian Standards Association (operating as "CSA Group") and ULSE Inc. (ULSE). Comments or proposals for revisions on any part of the standard may be submitted to CSA Group or ULSE at anytime. Revisions to this standard will be made only after processing according to the standards development procedures of CSA Group and ULSE. CSA Group and ULSE will issue revisions to this standard by means of a new edition or revised or additional pages bearing their date of issue.

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This Standard is subject to review within five years from the date of publication, and suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to inquiries@csagroup.org and include "Proposal for change" in the subject line: Standard designation (number); relevant clause, table, and/or figure number; wording of the proposed change; and rationale for the change.

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This ANSI/UL Standard for Safety consists of the Second Edition including revisions through May 10, 2023. The most recent designation of ANSI/UL 1008A as an American National Standard (ANSI) occurred on May 10, 2023. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface.

Comments or proposals for revisions on any part of the Standard may be submitted to ULSE at any time. Proposals should be submitted via a Proposal Request in ULSE's Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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PREFACE

This is the harmonized CSA Group, and ULSE standard for Transfer Switch Equipment – Over 1000 Volts. It is the First edition of CSA C22.2 No. 178.3, and the Second edition of UL 1008A. This edition of UL 1008A supersedes the First edition titled, Medium-Voltage Transfer Switches, published on March 30, 2012. This harmonized standard has been jointly revised on May 10, 2023. For this purpose, CSA Group and ULSE are issuing revision pages dated May 10, 2023.

This harmonized standard was prepared by the CSA Group and ULSE. The efforts and support of the Technical Harmonization Subcommittee, THSC 121A WG8, Transfer Switches over 750V, on the Harmonization of Electrotechnical Standards of the Nations of the Americas (CANENA), are gratefully acknowledged.

This standard is considered suitable for use for conformity assessment within the stated scope of the standard.

This standard was reviewed by the CSA Subcommittee on High Voltage Transfer Switches, under the jurisdiction of the CSA Technical Committee on Industrial Products (TCIP) and the CSA Strategic Steering Committee on requirements for Electrical Safety (SCORES), and has been formally approved by the CSA Technical Committee. 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.

Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number is to be considered a minimum quantity.

Note: Although the intended primary application of this standard is stated in its scope, it is important to note that it remains the responsibility of the users of the standard to judge its suitability for their particular purpose.

Level of Harmonization

This standard is published as an equivalent standard for CSA Group and ULSE.

An equivalent standard is a standard that is substantially the same in technical content, except as follows: Technical national differences are allowed for codes and governmental regulations as well as those recognized as being in accordance with NAFTA Article 905, for example, because of fundamental climatic, geographical, technological, or infrastructural factors, scientific justification, or the level of protection that the country considers appropriate. Presentation is word for word except for editorial changes.

Reasons for Differences From IEC

There is no corresponding IEC standard.

Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.