CSA C22.2 No. 61058-2-1:22
(IEC 61058-2-1:2018, MOD)
National Standard of Canada

CSA C22.2 No. 61058-2-1:22
Switches for appliances — Part 2-1: Particular requirements for cord switches

(IEC 61058-2-1:2018, MOD)

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CSA C22.2 No. 61058-2-1:22
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National Standard of Canada

CSA C22.2 No. 61058-2-1:22
Switches for appliances — Part 2-1: Particular requirements for cord switches
(IEC 61058-2-1:2018, MOD)

Note: *For brevity, this Standard will be referred to as "CSA C22.2 No. 61058-2-1" throughout.*

MAY 31, 2022

This national standard is based on publication IEC 61058-2-1, third edition (2018).

Prepared by
International Electrotechnical Commission

Reviewed by

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This standard is issued jointly by the Canadian Standards Association (operating as “CSA Group”) and Underwriters Laboratories Inc. (UL). Comments or proposals for revisions on any part of the standard may be submitted to CSA Group or UL at anytime. Revisions to this standard will be made only after processing according to the standards development procedures of CSA Group and UL. CSA Group and UL 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. The technical content of IEC and ISO publications is kept under constant review by IEC and ISO. 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 First Edition.

The most recent designation of ANSI/UL 61058-2-1 as an American National Standard (ANSI) occurred on May 31, 2022. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface. The National Difference Page and IEC Foreword are also excluded from the ANSI approval of IEC-based standards.

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PREFACE

This is the harmonized CSA Group and UL standard for Switches for Appliances – Part 2-1: Particular Requirements for Cord Switches. It is the first edition of CSA C22.2 No. 61058-2-1, and the first edition of UL 61058-2-1.

This harmonized standard is based on IEC Publication 61058-2-1: third edition, Switches for Appliances – Part 2-1: Particular Requirements for Cord Switches, issued June 2018. IEC 61058-2-1 is copyrighted by the IEC.

This harmonized standard was prepared by CSA Group and Underwriters Laboratories Inc. (UL). The efforts and support of the International Harmonization Committee on Switches for Appliances 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 Integrated Committee on Wiring Devices, under the jurisdiction of the CSA Technical Committee on Wiring Products and the CSA Strategic Steering Committee on Requirements for Electrical Safety, 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.

CSA C22.2 No. 61058-2-1 is to be used in conjunction with the third edition of CAN/CSA-C22.2 No. 61058-1 and the first edition of CAN/CSA-C22.2 No. 61058-1-1. The requirements for cord switches are contained in this Part 2 Standard and CAN/CSA-C22.2 No. 61058-1. Requirements of this Part 2 Standard, where stated, amend the requirements of CAN/CSA-C22.2 No. 61058-1. Where a particular subclause of CAN/CSA-C22.2 No. 61058-1 is not mentioned in CSA C22.2 No. 61058-2-1, the CAN/CSA-C22.2 No. 61058-1 subclause applies.

UL Standard 61058-2-1 is to be used in conjunction with the fifth edition of UL 61058-1 and the first edition of UL 61058-1-1. The requirements for cord switches are contained in this Part 2 Standard and UL 61058-1. Requirements of this Part 2 Standard, where stated, amend the requirements of UL 61058-1. Where a particular subclause of UL 61058-1 is not mentioned in UL 61058-2-1, the UL 61058-1 subclause applies.

Level of Harmonization

This standard adopts the IEC text with national differences.

This standard is published as an identical standard for CSA Group and UL.

An identical standard is a standard that is exactly the same in technical content except for national differences resulting from conflicts in codes and governmental regulations. Presentation is word for word except for editorial changes.

All national differences from the IEC text are included in the CSA Group and UL versions of the standard. While the technical content is the same in each organization's version, the format and presentation may differ.

Reasons for Differences From IEC

Differences from the IEC are being added in order to address safety and regulatory situations present in the US and Canada.

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.

IEC Copyright

NATIONAL DIFFERENCES

National Differences from the text of International Electrotechnical Commission (IEC) Publication 61058-2-1, Switches for appliances – Part 2-1: Particular requirements for cord switches, copyright 2018, are indicated by notations (differences) and are presented in bold text. The national difference type is included in the body.

There are five types of National Differences as noted below. The difference type is noted on the first line of the National Difference in the standard. The standard may not include all types of these National Differences.

DR – These are National Differences based on the **national regulatory requirements**.

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D2 – These are National Differences from IEC requirements based on existing **safety practices**. These requirements reflect national safety practices, where empirical substantiation (for the IEC or national requirement) is not available or the text has not been included in the IEC standard.

DC – These are National Differences based on the **component standards** and will not be deleted until a particular component standard is harmonized with the IEC component standard.

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FOREWORD

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SWITCHES FOR APPLIANCES – Part 2-1: Particular requirements for cord switches

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International Standard IEC 61058-2-1 has been prepared by subcommittee 23J: Switches for appliances, of IEC technical committee 23: Electrical accessories.

This third edition cancels and replaces the second edition published in 2010 and constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

Overall format to support IEC 61058-1, IEC 61058-1-1, IEC 61058-1-2, and the heating tests.

The text of this International Standard is based on the following documents:

CDV	Report on voting
23J/432/CDV	23J/439/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This document is to be read in conjunction with IEC 61058-1:2016.

This document supplements or modifies the corresponding clauses in IEC 61058-1, so as to convert that publication into the IEC standard: *Particular requirements for cord switches*.

When a particular subclause of IEC 61058-1 is not mentioned in this document, that subclause applies as far as reasonable. Where this document states "addition", "modification" or "replacement", the relevant text of IEC 61058-1 is to be adapted accordingly.

In this standard:

1) the following print types are used:

- requirements proper: in roman type;
- *test specifications: in italic type;*

explanatory matter: in smaller roman type.

2) subclauses, notes, figures and tables which are additional to those in IEC 61058-1 are numbered starting from 101.

A list of all parts in the IEC 61058 series, published under the general title *Switches for appliances*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

101DV D2 ***Modification: Add the following to the IEC Foreword:***

This nationally adopted Part 2-1 standard is intended to be used in conjunction with the nationally adopted IEC 61058-1 Part 1 standard, the nationally adopted IEC 61058-1-1 Part 1-1 standard, the nationally adopted IEC 61058-1-2 Part 1-2 standard, and any relevant nationally adopted IEC 61058-2-x Part 2 standards. For references to IEC 61058, IEC 61058-1, IEC 61058-1-1, or IEC 61058-1-2, replace the reference with CSA C22.2 No. 61058 / UL 61058, CAN/CSA-C22.2 No. 61058-1 / UL 61058-1, CAN/CSA-C22.2 No. 61058-1-1 / UL 61058-1-1, or CAN/CSA C22.2 No. 61058-1-2 / UL 61058-1-2 accordingly.

102DV DE ***Modification: Add the following to the IEC Foreword:***

The numbering system in the standard uses a space instead of a comma to indicate thousands and uses a comma instead of a period to indicate a decimal point. For example, 1 000 means 1,000 and 1,01 means 1.01.

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SWITCHES FOR APPLIANCES – Part 2-1: Particular requirements for cord switches

1 Scope

Clause 1 of IEC 61058-1:2016 is applicable except as follows:

Addition:

This document applies to cord switches (mechanical or electronic) for appliances actuated by hand, by foot or by other human activity, to operate or control electrical appliances and other equipment for household or similar purposes with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A.

Throughout this document, the word "appliance" means "appliance or equipment".

These switches are intended to be operated by a person, via an actuating member or by actuating a sensing unit. The actuating member or sensing unit can be integral or arranged separately from the switch. The transmission of a signal between the actuating member or sensing unit and the switch can be made either physically or electrically (for example, electrical, optical, acoustic or thermal).

Switches which incorporate additional control functions governed by the switch function are within the scope of this document.

This document also covers the indirect actuation of the switch when the operation of the actuating member or sensing unit is provided by a remote control or a part of an appliance such as a door.

NOTE 1 Electronic switches can be combined with mechanical switches giving full disconnection or micro-disconnection.

NOTE 2 Electronic switches without a mechanical switch in the supply circuit provide only electronic disconnection. Therefore, the circuit on the load side is always considered to be live.

NOTE 3 For switches used in tropical climates, additional requirements can apply.

NOTE 4 Attention is drawn to the fact that the standards for appliances can contain additional or alternative requirements for switches.

1DV D2 ***Modification: Add the following to Clause 1 of the Part 2:***

This part of CSA C22.2 No. 61058/UL 61058 does not apply to cord dimmer switches.

2 Normative references

Clause 2 of IEC 61058-1:2016 is applicable except as follows:

Addition:

IEC 60227 (all parts), *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V*