UL 61058-1:2021 (R2026)

(IEC 61058-1:2016, MOD)

STANDARD FOR SAFETY

Switches for Appliances – Part 1: General Requirements

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UL Standard for Safety for Switches for Appliances – Part 1: General Requirements, UL 61058-1

Fifth Edition, Dated November 3, 2017

Summary of Topics

This reaffirmation of ANSI/UL 61058-1 dated June 5, 2026 is issued to update the title page to reflect the most recent designation as a Reaffirmed American National Standard (ANS). No technical changes have been made.

UL 61058-1 is an adoption of IEC 61058-1 Fourth Edition issued by the IEC July 2016. UL 61058-1 shall be used in conjunction with the First Edition of the Standard for Switches for Appliances – Part 1-1: Requirements for Mechanical Switches, UL 61058-1-1 and the First Edition of the Standard for Switches for Appliances – Part 1-2: Requirements for Electronic Switches, UL 61058-1-2. Please note that the National Difference document incorporates all of the U.S. national differences for UL 61058-1.

As noted in the Commitment for Amendments statement located on the back side of the title page, ULSE and CSA are committed to updating this harmonized standard jointly. However, the revision pages dated June 5, 2026 will not be jointly issued by ULSE and CSA as these revision pages address removal of the ANSI logo and approval.

Text that has been changed in any manner or impacted by ULSE's electronic publishing system is marked with a vertical line in the margin.

The requirements are substantially in accordance with Proposal(s) on this subject dated April 17, 2026.

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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 the 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 Fifth Edition including revisions through June 5, 2026.

The most recent designation of ANSI/UL 61058-1 as a Reaffirmed American National Standard (ANS) occurred on June 5, 2026. 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.

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 the Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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CONTENTS

PREFACE **7**

NATIONAL DIFFERENCES **9**

FOREWORD **11**

1 Scope 13
1DV.1 Modification of Clause 1 to add the following to indicate which switches do not apply: 14
1DV.2 Modification of Clause 1 to add the following note: 14
2 Normative References 14
2DV Modification of Clause 2 to add the following: 16
3 Terms and Definitions 17
3.1 General terms and definitions 17
3.2 Terms and definitions relating to voltage and current 19
3.3 Terms and definitions relating to the different types of switches 20
3.4 Terms and definitions relating to the operation of the switch 21
3.5 Terms and definitions relating to connections to the switch 22
3.6 Terms and definitions relating to terminals and terminations 22
3.7 Terms and definitions relating to insulation 23
3.8 Terms and definitions relating to pollution 24
3.9 Terms and definitions relating to manufacturers' tests 24
4 General Requirements 25
5 General Information on Tests 25
5.1 Testing shall be performed according to the general guideline information provided in Clause 5 25
5.1.10DV Addition of Clauses 5.1.10DV.1 – 5.1.10DV.3: 26
5.2 Electrical information 26
5.3 Test loads on multiway switches 27
5.4 Test specimens 27
6 Rating 27
7 Classification 28
7.1 According to nature of supply 28
7.2 According to type of load to be controlled by each circuit of the switch 28
7.3 According to ambient temperature 28
7.4 According to number of operating cycles 29
7.5 Degree of protection against solid foreign objects 29
7.6 Degree of protection against ingress of water 29
7.7 According to degree of protection against electric shock for an incorporated switch for use in 30
7.8 According to degree of pollution inside the switch 30
7.9 According to degree of pollution outside the switch 30
7.10 According to marking 30
7.11 According to resistance to ignitability by the glow wire temperature 30
7.12 According to the rated impulse withstand voltage 31
7.13 According to the rated overvoltage category 31
7.14 According to type of disconnection 31
7.15 According to the type of coating for rigid printed board assemblies 31
7.16 According to type and/or connection of switches 32
7.17 According to configuration of switching device 32
7.18 According to duty type 32
7.19 According to linkage between contact and actuator speed 32
7.20 According to the type of terminals 33

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7.21 According to the type of built in protection 34
7.22 According to the type of forced cooling 34
7.23 According to the capacitor provided with the switch 34
8 Marking and Documentation 42
8.1 Switch information 42
8.2 Symbols 45
8.3 Load rating 46
8.4 Temperature rating 48
8.5 Operating cycles 49
8.6 Switches intended for use in Class II equipment or appliances 49
8.7 Required marking 49
8.8 Legibility and durability of marking 49
8.9 Switches with their own enclosure 50
9 Protection Against Electric Shock 50
10 Provision for Earthing 52
10.10DV Addition of the following clause to provide requirements for push-in type terminals: 53
11 Terminals and Terminations 54
11.1 Common requirements to terminals 54
11.2 Fixing of terminals 55
11.3 Location and shielding of terminals 55
11.4 Terminals for interconnection of more than one conductors 56
11.5 Thermal stress 56
11.6 Test sequences 56
11.7 Conductor escape test (TT1) 57
11.8 Terminal displacement test (TT2) 57
11.9 Strand escape test (TT3) 59
11.10 Multiple conductors (TT4) 59
12 Construction 60
12.1 Constructional requirements relating to protection against electric shock 60
12.2 Constructional requirements relating to safety during mounting and normal operation of the switch 61
12.3 Constructional requirements relating to the mounting of switches and to the attachment of cords 61
13 Mechanism 62
14 Protection Against Ingress of Solid Foreign Objects, Ingress of Water and Humid Conditions 62
14.1 Protection against ingress of solid foreign objects 62
14.2 Protection against ingress of water 63
14.3 Protection against humid conditions 64
15 Insulation Resistance and Dielectric Strength 65
15.1 General requirements 65
15.2 Measurement of insulation resistance 65
15.3 Insulation test voltage 66
16 Heating 67
16.1 General requirements 67
16.2 Contacts and terminals 67
16.3 Other parts 67
16.4 Heating test 67
17 Endurance 68
18 Mechanical Strength 69
18.1 General requirements 69
18.2 Impact 69
18.3 Pull 69
18.4 Push 70
19 Screws, Current-Carrying Parts and Connections 70
19.1 General requirements for electrical connections 70

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19.2 Screwed connections 70
19.3 Current-carrying parts 73
20 Clearances, Creepage Distances, Solid Insulation and Coatings of Rigid Printed Board Assemblies 73
20.1 General requirements 73
20.2 Clearances 74
20.3 Clearances for disconnection 75
20.4 Creepage distances 76
20.5 Solid insulation 79
20.6 Coatings of rigid printed board assemblies 79
21 Fire Hazard 80
21.1 Resistance to heat 80
21.2 Resistance to abnormal heat 81
22 Resistance to Rusting 82
23 Abnormal Operation and Fault Conditions for Switches 82
24 Components for Switches 83
24.1 General requirements 83
24.2 Protective devices 83
24.3 Capacitors 85
24.4 Resistors 86
25 EMC Requirements 86
25.1 General 86
25.2 Immunity 87
25.3 Emission 90

Annex A (normative) Measurement of clearances and creepage distances

ANNEX B (informative) Diagram for the Dimensioning of Clearances and Creepage Distances

ANNEX C (normative) Proof Tracking Test

ANNEX D (informative) Switch Application Guide

D.1 General 114
D.2 Resistive load current ratings 114
D.3 Resistive and/or motor load current ratings 114
D.4 Combination capacitive and resistive load ratings 115
D.5 Declared specific load ratings 115
D.6 Current ratings not exceeding 20 mA 115
D.7 General purpose load 115

ANNEX E(normative) Relation Between Rated Impulse Withstand Voltage, Rated Voltage and Overvoltage Category

ANNEX F (normative) Pollution Degree

ANNEX G (normative) Impulse Voltage Test

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ANNEX H (normative) Altitude Correction Factors

ANNEX I (normative) Types of Coatings for Rigid Printed Board Assemblies

ANNEX J (normative) Measuring the Insulation Distance of a Coated Printed Board with Type 1 Coating

ANNEX K (normative) Routine Tests

ANNEX L (informative) Sampling Tests

L.1 General 123
L.2 General considerations 123
L.3 Tests 123

ANNEX M (normative) Switch Families

M.1 Overview 125
M.2 General 125
M.3 Guidelines for selection of switches in switch families for testing 125

ANNEX N (informative) Dimensions of Tabs Forming Part of a Switch

ANNEX O (informative) Common End Product Standards

Annex DVA (informative) Television rating for switches

Annex DVA Addition of Annex DVA for television rating for switches..... 129

BIBLIOGRAPHY

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PREFACE

This is the harmonized CSA Group and ULSE standard for Switches for Appliances – Part 1: General Requirements. It is the third edition of CAN/CSA-C22.2 No. 61058-1, and the fifth edition of UL 61058-1. This edition of CAN/CSA-C22.2 No. 61058-1 supersedes the previous edition published in 2009 as CAN/CSA-C22.2 No. 61058-1 (adopted IEC 61058-1:2000+A1:2001+A2:2007). This edition of UL 61058-1 supersedes the previous edition published on August 10, 2009. This harmonized standard has been jointly revised on June 30, 2021. For this purpose, CSA Group and ULSE are issuing revision pages dated June 30, 2021.

This harmonized standard is based on IEC Publication 61058-1: fourth edition Switches for Appliances – Part 1: General Requirements issued July 2016. IEC 61058-1 is copyrighted by the IEC.

This harmonized standard was prepared by CSA Group and ULSE. 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 Wring 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.

This CAN/CSA-C22.2 No. 61058-1 Part 1 is to be used in conjunction with the appropriate CAN/CSA-C22.2 No. 61058-1-1 – Part 1-1 or CAN/CSA-C22.2 No. 61058-1-2 – Part 1-2, which contains clauses to supplement or modify the corresponding clauses in the Part 1, to provide relevant requirements for each type of product. This is the UL Standard for Safety for Switches for Appliances – Part 1: General Requirements. This UL Part 1 is to be used in conjunction with the appropriate UL 61058-1-1 Part 1-1 or UL 61058-1-2 Part 1-2, which contains clauses to supplement or modify the corresponding clauses in the Part 1, to provide relevant requirements for each type of product.

Level of Harmonization

This standard adopts the IEC text with national differences.

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

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 and basic safety principles and requirements. Presentation is word for word except for editorial changes.

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

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Reasons for Differences From IEC

National 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.

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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**.

D1 – These are National Differences which are based on **basic safety principles and requirements**, elimination of which would compromise safety for consumers and users of products.

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.

DE – These are National Differences based on **editorial comments or corrections**.

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FOREWORD

INTERNATIONAL ELECTROTECHNICAL COMMISSION

SWITCHES FOR APPLIANCES – PART 1: GENERAL REQUIREMENTS

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.

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

This fourth edition cancels and replaces the third edition published in 2000, Amendment 1:2001 and Amendment 2:2007. This edition constitutes a technical revision.

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

a) Requirements for mechanical switches are now given in IEC 61058-1-1;

b) Requirements for electronic switches are now given in IEC 61058-1-2.

The text of this standard is based on the following documents:

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FDIS	Report on voting
23J/401/FDIS	23J/405/RVD

Full information on the voting for the approval of this 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.

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.

In this part, the following print types are used:

- requirements proper: roman type;
- test specifications: *italic type*;
- notes: smaller roman type.

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

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

DV.1 D2 *Addition of the following:*

This nationally adopted Part 1 standard shall be used in conjunction with the nationally adopted IEC 61058-1-x Part 1 standards and any 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 CAN/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.

DV.2 DE *Addition of the following:*

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 1: GENERAL REQUIREMENTS

1 Scope

This part of IEC 61058 applies to switches for appliances. The switches are intended to control electrical appliances and other equipment for household or similar purposes with a rated voltage not exceeding 480 V and a rated current not exceeding 63 A.

Switches for appliances are intended to be operated by

– A person via an actuating member,

– Indirect actuation,

– An actuating sensing unit.

Transmission of a signal between the actuating member or sensing unit and the switch may be connected by optical, acoustic, thermal, electrical or other relevant connection and may include remote controlled units.

This part of IEC 61058 applies to switches for appliances provided with additional control functions governed by the switch provided with electronic circuits and devices that are necessary for the intended and/or correct operation of the switch.

This part of IEC 61058 applies to circuitry when evaluated with a switch and necessary for the switching function.

This part of IEC 61058 applies in general to switches for appliances in conjunction with the following parts:

– *Part 1-1: Requirements for mechanical switches*, and/or

– *Part 1-2: Requirements for electronic switches*.

This part of IEC 61058 does not apply to devices covered by:

– IEC 60669 (all parts), *Switches for household and similar fixed-electrical installations*, and

– IEC 60730 (all parts), *Automatic electrical controls*.

This part of IEC 61058 does not contain requirements for safety isolating switches (IEC 60050-811:1991, 811-29-17).

NOTE 1 For switches used in tropical climates, additional requirements may be necessary.

NOTE 2 Attention is drawn to the fact that the end product standards for appliances may contain additional or alternative requirements for switches.

NOTE 3 Throughout this part of IEC 61058, the word "appliance" means "appliance or equipment".

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