

AS/NZS 61058.1:2020



Australian/New Zealand Standard™

# Switches for appliances

**Part 1: General requirements (IEC 61058-1:2016 (ED. 4.0) MOD)**



AS/NZS 61058.1:2020

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- Consumer Electronics Suppliers Association (Australia)
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- Electrical Regulatory Authorities Council (Australia)
- Engineers Australia
- International Accreditation New Zealand
- Joint Accreditation System of Australia and New Zealand
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**Part 1: General requirements (IEC 61058-1:2016  
(ED. 4.0) MOD)**

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## Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories, to supersede AS/NZS 61058.1:2008, *Switches for Appliances, Part 1: General requirements* on the date of publication.

The objective of this Standard is to specify general electrical safety requirements for switch 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 Standard does not apply to cord-line switches within the scope of AS/NZS 3127.

The major changes in this edition are as follows:

- (a) Extends the scope of application for switches to be operated by —
  - (i) a person via an actuating member;
  - (ii) indirect actuation; and
  - (iii) an actuating sensing unit.
- (b) Includes significant technical changes —
  - (i) Requirements for mechanical switches are now given in AS/NZS IEC 61058-1-1; and
  - (ii) Requirements for electronic switches are now given in AS/NZS IEC 61058-1-2.

This Standard is an adoption with national modifications, and has been reproduced from, IEC 61058-1:2016, *Switches for appliances — Part 1: General requirements*.

Appendix ZZ lists the variations to IEC 61058-1:2016, for the application of this Standard in Australia and New Zealand.

As this document has been reproduced from an International Standard, the following applies:

- (i) In the source text “this part of IEC 61058” should read “this Australian/New Zealand Standard”.
- (ii) A full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.

## NOTES

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# INTERNATIONAL ELECTROTECHNICAL COMMISSION

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## SWITCHES FOR APPLIANCES –

### Part 1: General requirements

#### FOREWORD

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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:

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.

## 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".