



NSAI
Standards

Irish Standard
I.S. EN IEC 61058-2-1:2021

Switches for appliances - Part 2-1: Particular requirements for cord switches

I.S. EN IEC 61058-2-1:2021

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN IEC 61058-2-1:2021 is the adopted Irish version of the European Document EN IEC 61058-2-1:2021, Switches for appliances - Part 2-1: Particular requirements for cord switches

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 61058-2-1

February 2021

ICS 29.120.40

Supersedes EN 61058-2-1:2011 and all of its
amendments and corrigenda (if any)

English Version

**Switches for appliances - Part 2-1: Particular requirements for
cord switches
(IEC 61058-2-1:2018)**

Interrupteurs pour appareils - Partie 2-1: Exigences
particulières pour les interrupteurs pour câbles souples
(IEC 61058-2-1:2018)

Geräteschalter - Teil 2-1: Besondere Anforderungen an
Schnurschalter
(IEC 61058-2-1:2018)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61058-2-1:2021 (E)

European foreword

The text of document 23J/432/CDV, future edition 3 of IEC 61058-2-1, prepared by SC 23J "Switches for appliances" of IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61058-2-1:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2021-08-05 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-02-05 document have to be withdrawn

This document supersedes EN 61058-2-1:2011 and all of its amendments and corrigenda (if any).

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Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60227	series	Polyvinyl chloride insulated cables of rated - voltages up to and including 450/750 V - Part 1: General requirements	-	-
IEC 60227-5	-	Polyvinyl chloride insulated cables of rated - voltages up to and including 450/750 V -- Part 5: Flexible cables (cords)	-	-
IEC 60245	series	Rubber insulated cables - Rated voltages - up to and including 450/750 V -- Part 1: General requirements	-	-
IEC 60335-2-17	-	Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances	EN 60335-2-17	-
IEC 61032	-	Protection of persons and equipment by enclosures - Probes for verification	EN 61032	-
IEC 61058-1	2016	Switches for appliances - Part 1: General requirements	EN IEC 61058-1	2018
IEC 61058-1-2	2016	Switches for appliances - Part 1-2: Requirements for electronic switches	EN 61058-1-2	2016
-	-		+AC	2019

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IEC 61058-2-1

Edition 3.0 2018-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Switches for appliances –
Part 2-1: Particular requirements for cord switches**

**Interrupteurs pour appareils –
Partie 2-1: Exigences particulières pour les interrupteurs pour câbles souples**



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IEC 61058-2-1

Edition 3.0 2018-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Switches for appliances –
Part 2-1: Particular requirements for cord switches**

**Interrupteurs pour appareils –
Partie 2-1: Exigences particulières pour les interrupteurs pour câbles souples**

INTERNATIONAL
ELECTROTECHNICAL
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CONTENTS

FOREWORD.....	3
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 General requirements	6
5 General information on tests.....	6
6 Rating.....	6
7 Classification	7
8 Marking and documentation	8
9 Protection against electric shock	8
10 Provision for earthing	9
11 Terminals and terminations.....	9
12 Construction	9
13 Mechanism	15
14 Protection against ingress of solid foreign objects, ingress of water and humid conditions.....	15
15 Insulation resistance and dielectric strength	15
16 Heating.....	15
17 Endurance	15
18 Mechanical strength	15
19 Screws, current-carrying parts and connections.....	16
20 Clearances, creepage distances, solid insulation and coatings of rigid printed board assemblies	17
21 Fire hazard	17
22 Resistance to rusting	17
23 Abnormal operation and fault conditions for switches.....	17
24 Components for electronic switches.....	17
25 EMC requirements	17
Annexes	23
Figure 101 – Pull apparatus for testing the cord anchorage.....	18
Figure 102 – Apparatus for flexing test	19
Figure 103 – Tumbling barrel	20
Figure 104 – Torque apparatus for testing the cord anchorage	21
Figure 105 – Example of insulation system for a single-pole cord switch.....	22
Table 3 – Switch information and loads placed in groups	8
Table 4 – Resistive current carried by the terminal and related cross-sectional areas of terminals for unprepared conductors	9
Table 101 – Rated currents for resistor loads and related type of cords	11
Table 102 – Size of conductor.....	14
Table 103 – Torque values for insulating material screws	17

INTERNATIONAL ELECTROTECHNICAL COMMISSION

SWITCHES FOR APPLIANCES –

Part 2-1: Particular requirements for cord switches

FOREWORD

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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.

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.

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*

IEC 60227-5, *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 5: Flexible cables (cords)*

IEC 60245 (all parts), *Rubber insulated cables – Rated voltages up to and including 450/750 V*

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