
Switches for appliances - Part 1: General requirements

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UDC 621.316.542:621.3.022.027.26:620.1:614.8

Descriptors: Household equipment, switch, definition, classification, requirement, construction, test

ENGLISH VERSION

SWITCHES FOR APPLIANCES
PART 1: GENERAL REQUIREMENTS
(IEC 1058-1:1990)

Interrupteurs pour appareils
Partie 1: Règles générales
(CEI 1058-1:1990)

Geräteschalter
Teil 1: Allgemeine Festlegungen
(IEC 1058-1:1990)

This European Standard was approved by CENELEC on 1991-06-25. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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CENELEC

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

Central Secretariat: rue de Stassart 35, B-1050 Brussels

FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 1058-1:1990 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 61058-1 on 25 June 1991.

The following dates were fixed:

- latest date of publication of
an identical national standard (dop) 1992-07-01
- latest date of withdrawal of
conflicting national standards (dow) 1995-07-01

For products which have complied with the relevant national standard before 1995-07-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-07-01.

Annexes designated "normative" are part of the body of the standard. Annexes designated "informative" are given only for information. In this standard, annexes A, B, C, D, E and ZA are normative and annexes F, G, H and J are informative.

ENDORSEMENT NOTICE

The text of the International Standard IEC 1058-1:1990 was approved by CENELEC as a European Standard without any modification.

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ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

When the international publication has been modified by CENELEC common modifications, indicated by (mod), the relevant EN/HD applies.

IEC Publication -----	Date -----	Title -----	EN/HD -----	Date -----
50 (441)	1984	International Electrotechnical Vocabulary (IEV) Chapter 441: Switchgear, controlgear and fuses	-	-
50 (826)	1982	Chapter 826: Electrical installations of buildings	HD 384.2 S1	1986
65, mod	1985	Safety requirements for mains operated electronic and related apparatus for household and similar general use	HD 195 S6	1989
68-2-20	1979	Basic Safety Publication - Environmental testing - Part 2: Test methods Test T: Soldering	HD 323.2.20 S3*	1988
112	1979	Method for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions	HD 214 S2	1980
228A	1982	Conductors of insulated cables - First supplement: Guide to the dimensional limits of circular conductors	HD 383 S2* + A1	1986 1989
335-1	1970	Safety of household and similar electrical appliances - Part 1: General requirements	EN 60335-1	1988
417	1973	Graphical symbols for use on equipment Index, survey and compilation of the single sheets	HD 243 S1	1984
529 1)	1976	Classification of degrees of protection provided by enclosures	HD 365 S1	1978

* HD 323.2.20 S3:1988 includes A1:1986 + A2:1987

* HD 383 S2 includes IEC 228:1978

1) For practical reasons, the 1976 edition of IEC 529:1976, has been included below

IEC Publication -----	Date -----	Title -----	EN/HD -----	Date ----
617-2	1983	Graphical symbols for diagrams Part 2: Symbol elements, qualifying symbols and other symbols having general application	-	-
664	1980	Insulation co-ordination within low-voltage systems including clearances and creepage distances for equipment	-	-
664A	1981	First supplement	-	-
669-1, mod	1981	Switches for household and similar fixed-electrical installations Part 1: General requirements	-	-
685-2-3	1983	Connecting devices (junction and/or tapping) for household and similar fixed electrical installations Part 2: Particular requirements Insulation piercing connecting devices for insulated copper conductors	-	-
695-2-1	1980	Fire hazard testing - Part 2: Test methods - Glow-wire test and guidance	HD 444.2.1 S1	1983
707	1981	Methods of test for the determination of the flammability of solid electrical insulating materials when exposed to an igniting source	HD 441 S1	1983
730-1, mod	1986	Automatic electrical controls for household and similar use Part 1: General requirements	EN 60730-1 + A1 + A11	1991 1991 1991
760	1983	Flat, quick-connect terminations	-	-
817	1984	Spring-operated impact-test apparatus and its calibration	HD 495 S1	1987

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ISO Publications

-
- 1456:1988 - Metallic coatings - Electrodeposited coatings of nickel plus chromium
and of copper nickel
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- 2081:1986 - Metallic coatings - Electroplated coatings of zinc on iron or steel
- 2093:1986 - Metallic coatings - Electroplated coatings of tin - Specification
and test methods
-

CORRIGENDUM to EN 61058-1:1992

English version

Title page

In the German title, replace "Festlegungen" by "Bestimmungen".

December 1992

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EUROPEAN STANDARD

EN 61058-1/A1

NORME EUROPEENNE

EUROPÄISCHE NORM

May 1993

UDC 621.316.542

Descriptors: Household equipment, switch, definition, classification, requirement, construction, test

Amendment A1 to the English version of EN 61058-1

Switches for appliances
Part 1: General requirements
(IEC 1058-1:1990/A1:1993)

Interrupteurs pour appareils
Partie 1: Règles générales
(CEI 1058-1:1990/A1:1993)

Geräteschalter
Teil 1: Allgemeine Festlegungen
(IEC 1058-1:1990/A1:1993)

This amendment A1 modifies the European Standard EN 61058-1:1992. It was approved by CENELEC on 1992-06-16. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart 35, B-1050 Brussels

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Ref. No. EN 61058-1:1992/A1:1993 E

FOREWORD

The text of document 23J(CO)15, as prepared by sub-committee 23J: Switches for appliances, of IEC technical committee n° 23: Electrical accessories, was submitted to the IEC-CENELEC parallel vote in October 1991.

The reference document was approved by CENELEC as amendment A1 to EN 61058-1 on 16 June 1992.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1994-04-01
- latest date of withdrawal of conflicting national standards (dow) 1995-07-01

For products which have complied with EN 61058-1:1992 before 1995-07-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1995-07-01.

ENDORSEMENT NOTICE

The text of amendment 1:1993 to the International Standard IEC 1058-1:1990 was approved by CENELEC as an amendment to the European Standard without any modification.

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
1058-1

Première édition
First edition
1990-09

Interrupteurs pour appareils

Partie 1:
Règles générales

Switches for appliances

Part 1:
General requirements

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Numéro de référence
Reference number
CEI/IEC 1058-1: 1990

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SWITCHES FOR APPLIANCES

Part 1: General requirements

FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

This part of the International Standard IEC 1058 has been prepared by Sub-Committee 23J: Switches for appliances, of IEC Technical Committee No. 23: Electrical accessories.

It forms the first edition of IEC 1058-1 and supersedes Publication 328 (1972).

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

Six Months' Rule	Report on Voting	Two Months' Procedure	Report on Voting
23J(CO)8	23J(CO)10	23J(CO)11	23J(CO)12

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Full information on the voting for the approval of this part can be found in the Voting Reports indicated in the above table.

[SIST EN 61058-1:1995](https://standards.iteh.ai/SIST/EN/61058-1/1995)

IEC 1058 consists of the following parts: <https://standards.iteh.ai/standards/sist/922be878-bfe9-4a46-8233-c1e7ed658368/sist-en-61058-1-1995>

- Part 1: General requirements;
- Part 2-1: Particular requirements for cord switches (under consideration);
- Part 2-2: Particular requirements for integrated switches (under consideration);
- Part 2-3: Particular requirements for electronic switches (under consideration);
- Part 2-4: Particular requirements for independently mounted switches (under consideration);
- Part 2-5: Particular requirements for voltage selector switches (under consideration);

In this part, the following print types are used:

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

Annexes A, B, C, D and E are normative.

Annexes F, G, H, and J are informative.

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SWITCHES FOR APPLIANCES

Part 1: General requirements

1 Scope

1.1 This International Standard IEC 1058 applies to switches for appliances actuated by hand, by foot or by other human activity for use in, on or with appliances and other equipment for household and similar purposes, with a rated voltage not exceeding 440 V and a rated current not exceeding 63 A. It also covers the indirect actuation of the switch when the function of the actuating member is provided by a part of an appliance or equipment such as a door.

1.2 This standard applies to switches intended to be incorporated in, on or with an appliance or equipment.

NOTES

- 1 For switches used in tropical climates, additional requirements may be necessary.
- 2 Attention is drawn to the fact that the standards for appliances and equipment may contain additional or alternative requirements for switches.
- 3 Throughout this standard the word "appliance" means appliance or equipment.

1.3 This part also applies to switches for appliances such as:

- switches intended to be connected to a cord (cord switches);
- switches integrated in an appliance (integrated switches);
- switches incorporating electronic components (electronic switches);
- switches intended to be mounted apart from the appliance (independently mounted switches) other than those within the scope of IEC 669;
- voltage selector switches.

for which, however, particular requirements are given in Part 2.

NOTE - Part 1 is applicable when testing incorporated switches. When other types of switches for appliances are tested, this Part 1 is applicable together with the relevant Part 2. Part 1 may, however, be applied for other types of switches which are not mentioned in Part 2, provided that the electrical safety is not disregarded.

1.4 IEC 1058 is not applicable to switches integrated with an automatic control. Such switches are within the scope of IEC 730-1.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of IEC 1058. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of IEC 1058 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.