

Switches for appliances —

Part 2: Particular requirements —

Section 2.1: Cord switches

The European Standard EN 61058-2-1:1993, with the incorporation of amendment A11:2002, has the status of a British Standard

ICS 29.120.40

Cooperating organizations

The European Committee for Electrotechnical Standardization (CENELEC), under whose supervision this European Standard was prepared, comprises the national committees of the following countries:

Austria	Italy
Belgium	Luxembourg
Denmark	Netherlands
Finland	Norway
France	Portugal
Germany	Spain
Greece	Sweden
Iceland	Switzerland
Ireland	United Kingdom

This British Standard, having been prepared under the direction of the Light Electrical Engineering Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 April 1993

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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National foreword

This British Standard has been prepared under the direction of the Light Electrical Engineering Standards Policy Committee and is the English language version of EN 61058-2-1, *Switches for appliances — Part 2: Particular requirements for cord switches*, including amendment A1:1996 and amendment A11:2002, published by the European Committee for Electrotechnical Standardization (CENELEC). It was derived by CENELEC from IEC Publication 1058-2-1 (1992) first edition and Amendment 1:1995, published by the International Electrotechnical Commission (IEC).

The CENELEC common modifications have been implemented at the appropriate places in the text. The start and finish of each common modification is indicated in the text by tags **[C]** **[C]**. Where a common modification has been introduced by amendment, the tags carry the number of the amendment. For example, the common modifications introduced by CENELEC amendment A11 are indicated by **[C11]** **[C11]**.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **[A]** **[A]**. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by **[A1]** **[A1]**.

The foreword of EN 61058-2-1 makes reference to the “date of withdrawal”, dow, of the relevant national standard. In this case the relevant national standard is BS 3955 which will cease to be applicable to cord switches within the scope of BS EN 61058-2-1 on 1 July 1995. Certification and marks will not be awarded after this date with respect to BS 3955. However, such certification and marks already awarded may continue to apply to production until 1 July 2000. BS 3955 will be progressively amended to delete specific switches at the date of withdrawal agreed.

The foreword of the EN amendment 1 to EN 61058-2-1 makes reference to the “date of withdrawal (dow) of conflicting standards” as “1996-09-01”. In this case the relevant standard is BS EN 61058-2-1:1993 but the date of withdrawal relates only to those parts of the British Standard amended by Amendment 1. Certificates and marks will not be awarded after this date with respect to the British Standard not incorporating Amendment 1. They will be awarded with respect only to the amended British Standard. However, such certificates and marks, already awarded with respect to the unamended British Standard may continue to apply to production until 2001-09-01.

This British Standard is to be read in conjunction with BS EN 61058-1:1992 *General requirements*, which it supplements or modifies. The many references to Part 1 should be read as references to BS EN 61058-1, which is the English language version of EN 61058-1 which was derived from the 1992 print of IEC publication 1058-1, first edition.

Product approval

Attention is drawn to the fact that products conforming to this British Standard may be approved by the British Electrotechnical Approvals Board for purposes of participation in the CENELEC Certification Agreement and in the CB Scheme of the IECEE. (Details of the BEAB Approval Scheme are given on the inside back cover.)

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 23 and a back cover.

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English version

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

(includes amendments A1:1996 + A11:2002)

(IEC 1058-2-1:1992 + A1:1995)

Interrupteurs pour appareils —

Partie 2-1: Règles particulières pour les
interrupteurs pour câbles souples

(inclut les amendements A1:1996 + A11:2002)
(CEI 1058-2-1:1992 + A1:1995)

Geräteschalter —

Teil 2-1: Besondere Bestimmungen für
Schnurschalter

(enthält Änderungen A1:1996 + A11:2002)
(IEC 1058-2-1:1992 + A1:1995)

This European Standard was approved by CENELEC on 1991-12-10. 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.

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 text of document 23J(CO)14, as prepared by Sub-Committee 23J: Switches for appliances, of IEC Technical Committee No. 23: Electrical accessories, was submitted to the IEC-CENELEC parallel vote in April 1991.

The reference document was approved by CENELEC as EN 61058-2-1 on 10 December 1991.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1993-07-01
- 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.

This European Standard shall be used in conjunction with EN 61058-1:1992, *Switches for appliances — Part 1: General requirements*. Where this standard states “addition” or “replacement”, the relevant test of Part 1 is to be adapted accordingly.

Clauses, figures or tables which are additional to those in Part 1 are numbered starting from 101.

Annexes designated “normative” are part of the body of the standard. In this standard, Annex ZA is normative.

Foreword to amendment A1

The text of document 23J/144/FDIS, future amendment 1 to IEC 1058-2-1:1992, prepared by SC 23J, Switches for appliances, of IEC TC 23, Electrical accessories, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 61058-2-1:1993 on 1995-11-28.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1996-09-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1996-09-01

For products which have complied with EN 61058-2-1:1993 before 1996-09-01, as shown by the manufacturer or by certification body, this previous standard may continue to apply for production until 2001-09-01.

Foreword to amendment A11

This amendment to the European Standard was prepared by the CENELEC Reporting Secretariat SR 23J (DE).

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A11 to EN 61058-2-1:1993 on 2002-09-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2003-09-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2009-03-01

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1 Scope

This clause of Part 1 is applicable except as follows:

1.1 Replacement:

1.1 C11 This International Standard 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.

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 with or arranged separately, either physically or electrically, from the switch and may involve transmission of a signal. For example electrical, optical, acoustic or thermal, between the actuating member or sensing unit and the switch.

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

This standard 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 or equipment such as a door.

NOTE 1 Electronic switches may 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 may be necessary.

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

NOTE 5 Throughout this standard, the word “appliance” means “appliance or equipment”. C11

1.2 Replacement:

1.2 A1 This standard applies to switches intended to be connected to a flexible cable. A1

1.3 C11 Text deleted C11

C11 1.4 This subclause does not apply. C11

2 Normative references

This clause of Part 1 is applicable except as follows:

2.1 Addition:

227: *Polyvinyl chloride insulated cables of related voltages up to and including 450/750 V.*

245: *Rubber insulated cables of rated voltages up to and including 450/750 V.*

598-1:(1986), *Luminaires — Part 1: General requirements and tests.*

3 Definitions

This clause of Part 1 is applicable except as follows:

3.3 Definitions relating to the different types of switches

Additional definition:

3.3.101

cord switch:

separately enclosed switch intended to be connected to a supply and/or to an appliance or equipment by means of flexible cable(s)

NOTE The flexible cable(s) may enter the switch enclosure in any direction and may be in line with the enclosure.