SLOVENSKI STANDARD

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Switches for appliances - Part 1: General requirements (IEC 61058-1:2000 + A1:2001, modified)

ICS 29.120.40

Referenčna številka
SIST EN 61058-1:2003(en)

EUROPEAN STANDARD **EN 61058-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM June 2002

ICS 29.120.40 Supersedes EN 61058-1:1992 + A1:1993

English version

Switches for appliances
Part 1: General requirements
(IEC 61058-1:2000 + A1:2001, modified)

Interrupteurs pour appareils
Partie 1: Règles générales
(CEI 61058-1:2000 + A1:2001, modifiée)

Geräteschalter
Teil 1: Allgemeine Anforderungen
(IEC 61058-1:2000 + A1:2001, modifiziert)

This European Standard was approved by CENELEC on 2002-03-05. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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

Ref. No. EN 61058-1:2002 E

Foreword

The text of the International Standard IEC 61058-1:2000, prepared by SC 23J, Switches for appliances, of IEC TC 23, Electrical accessories, together with the common modifications prepared by CENELEC Reporting Secretariat SR 23J, was submitted to the formal vote and was approved by CENELEC as EN 61058-1 on 2002-03-05.

The text of document 23J/232/FDIS, future amendment 1 to IEC 61058-1:2000, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC on 2002-03-05 for inclusion into the European Standard.

This European Standard supersedes EN 61058-1:1992 + A1:1993.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2003-03-01

- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-03-01

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annexes A, C, D, E, K, L, M, N, P, Q, R and ZB are normative and annexes B, F, G, H, J, S, T and ZA are informative.
Annexes ZA and ZB have been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61058-1:2000 + A1:2001 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

Add in the table of contents:

Annex ZA (informative) - Compliance checks to be carried out for switches for appliances complying with EN 61058-1:1992 + A1:1993

Annex ZB (normative) - Normative references to international publications with their corresponding European publications

Add the following annex:

Annex ZA
(informative)

Compliance checks to be carried out for switches for appliances complying with EN 61058-1:1992 + A1:1993

Introduction

This informative annex relates to changed requirements. It informs where compliance checks are not required and where compliance checks are required to be carried out in order that a switch can be declared to meet the requirements of the new edition of EN 61058-1, if this switch already complies with EN 61058-1:1992 + A1:1993.

Clause 8:

Marking and documentation according to EN 61058-1:1992 + A1:1993 shall be aligned with the new edition of EN 61058-1, specifically for

- pollution degree,
- rated impulse withstand voltage,
- type and/or connection of switch.

9.1.2 and 9.1.3:

Compliance shall be checked if relevant.

14.2:

Compliance shall be checked for numeral 5 and 6 if relevant.

14.4:

No compliance checks are necessary.

15.3:

No compliance checks are necessary.

Clause 17:

No compliance checks are necessary.

Clause 20:

Compliance checks are required.

21.1.1 and 21.1.5:

Compliance checks are required.

Clause 25:

No compliance checks are necessary.

Annex ZB
(normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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

Publication	Year	Title	EN/HD	Year
IEC 60034-1 (mod) A1 A2	1996 1997 1999	Rotating electrical machines Part 1: Rating and performance	EN 60034-1 + corr. February A1 A2	1998 2000 1998 1999
IEC 60038 (mod)	1983	IEC standard voltages [1]	HD 472 S1 + corr. February	1989 2002
IEC 60050-151	1978	International Electrotechnical Vocabulary (IEV) Chapter 151: Electrical and magnetic devices	-	-
IEC 60050-411	1973	Chapter 411: Rotating machinery	-	-
IEC 60050-441	1984	Chapter 441: Switchgear, controlgear and fuses	-	-
IEC 60050-826 A1 A2	1982 1990 1995	Chapter 826: Electrical installations of buildings	HD 384.2 S2 [2]	2001
IEC 60060-1	1989	High-voltage test techniques Part 1: General definitions and test requirements	HD 588.1 S1 [3]	1991
IEC 60068-2-20	1979	Environmental testing Part 2-20: Tests - Test T: Soldering	HD 323.2.20 S3 [4]	1988
IEC 60068-2-75	1997	Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	1997
IEC 60085	1984	Thermal evaluation and classification of electrical insulation	HD 566 S1	1990

[1] The title of HD 472 S1 is: Nominal voltages for low-voltage public electricity supply systems.

[2] HD 384.2 S2 is based on IEC 60050-826:1982 + A1:1990 + A2:1995 + A3:1999.

[3] HD 588.1 S1 includes corrigendum March 1990 to IEC 60060-1:1989.

[4] HD 323.2.20 S3 is based on IEC 60068-2-20:1979 + A2:1987.

Publication	Year	Title	EN/HD	Year
IEC 60112	1979	Method for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions	HD 214 S2	1980
IEC 60127	Series	Miniature fuses	EN 60127	Series
IEC 60127-2	1989	Part 2: Cartridge fuse-links	EN 60127-2 [5)]	1991
IEC 60228 (mod)	1978	Conductors of insulated cables	HD 383 S2 [6)]	1986
IEC 60228A (mod)	1982	Conductors of insulated cables First supplement: Guide to the dimensional limits of circular conductors	HD 383 S2	1986
IEC 60269-1	1998	Low-voltage fuses Part 1: General requirements	EN 60269-1	1998
IEC 60269-3-1 (mod)	1994	Part 3-1: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) - Sections I to IV	HD 630.3.1 S3 [7)]	2002
IEC 60335-1 (mod)	1991	Safety of household and similar electrical appliances Part 1: General requirements	EN 60335-1	1994
A1 (mod)	1994		A1	1996
IEC 60335-2 (mod)	Series	Part 2: Particular requirements	EN 60335-2	Series
IEC 60364-4-41 (mod) A1 A2	1992 1996 1999	Electrical installations of buildings Part 4: Protection for safety Chapter 41: Protection against electric shock	HD 384.4.41 S2	1996
IEC 60364-4-442 A1 A2	1993 1995 1999	Chapter 44: Protection against overvoltages Section 442: Protection of low-voltage installations against temporary overvoltages and faults between high-voltage systems and earth	- [8)]	-

[5)] EN 60127-2 includes corrigendum March 1990 to IEC 60127-2.

[6)] HD 383 S2 is based on IEC 60228:1978 + IEC 60228A:1982.

[7)] HD 630.3.1 S3 is based on IEC 60269-3-1:1994 + A1:1995 + A2:2001.

[8)] HD 384.4.442 S1:1997 is not an endorsement of, but is related to IEC 60364-4-442:1993 + A1:1995.

Publication	Year	Title	EN/HD	Year
IEC 60364-4-443 (mod) A1	1995 1998	Section 443: Protection against overvoltages of atmospheric origin or due to switching	HD 384.4.443 S1	2000
IEC 60384-14	1993	Fixed capacitors for use in electronic equipment Part 14: Sectional specification: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains	-	-
IEC 60417-1	1998	Graphical symbols for use on equipment Part 1: Overview and a pplication	EN 60417-1 [9)]	1999
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May	1991 1993
IEC 60617-2	1996	Graphical symbols for diagrams Part 2: Symbol elements, qualifying symbols and other symbols having general application	EN 60617-2	1996
IEC 60664-1 (mod)	1992	Insulation coordination for equipment within low-voltage systems Part 1: Principles, requirements and tests	HD 625.1 S1 + corr. November	1996 1996
IEC 60664-3	1992	Part 3: Use of coatings to achieve insulation coordination of printed board assemblies	HD 625.3 S1	1997
IEC 60669-1 (mod)	1998	Switches for household and similar fixed-electrical installations Part 1: General requirements	EN 60669-1	1999
IEC 60691	1993	Thermal-links - Requirements and application guide	EN 60691 [10)]	1995
IEC 60695-2-1/X	All sheets	Fire hazard testing Part 2-1: Test methods - Glow wire	EN 60695-2-1/X	All sheets
IEC 60707	1999	Flammability of solid non-metallic materials when exposed to flame sources - List of test methods	EN 60707	1999
IEC 60730 (mod)	Series	Automatic electrical controls for household and similar use	EN 60730	Series
IEC 60730-1 (mod)	1999	Part 1: General requirements	EN 60730-1 + A11	2000 2002

9) EN 60417-1:1999 is superseded by EN 60417-1:2002, which is based on IEC 60417-1:2000.

10) EN 60691 is based on IEC 60691:1993 + A1:1995.

Publication	Year	Title	EN/HD	Year
IEC 60730-2-9	2000	Part 2-9: Particular requirements for temperature sensing controls	EN 60730-2-9	2002
IEC 60738-1	1998	Thermistors - Directly heated positive step-function temperature coefficient Part 1: Generic specification	EN 60738-1	1999
IEC 60760	1989	Flat, quick-connect terminations	-	-
IEC 60893-1	1987	Specification for industrial rigid laminated sheets based on thermosetting resins for electrical purposes Part 1: Definitions, designations and general requirements	EN 60893-1	1994
IEC 60998-2-3	1991	Connecting devices for low-voltage circuits for household and similar purposes Part 2-3: Particular requirements for connecting devices as separate entities with insulation piercing clamping units	EN 60998-2-3	1993
IEC 61000	Series	Electromagnetic compatibility (EMC)	EN 61000	Series
IEC 61000-3-2	1995	Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	EN 61000-3-2 [11)]	1995
A1	1997		A1 [11)]	1998
A2	1998		A2 [11)]	1998
IEC 61000-3-3	1994	Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in low-voltage power supply systems for equipment with rated current ≤ 16 A	EN 61000-3-3 + corr. July	1995 1997
IEC/TR2 61000-3-5	1994	Part 3-5: Limits - Limitation of voltage fluctuations and flicker in low-voltage power supply systems for equipment with rated current greater than 16 A	-	-
IEC 61000-4-1	1992	Part 4-1: Testing and measurement techniques - Overview of immunity tests	EN 61000-4-1 [12)]	1994
IEC 61000-4-2	1995	Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	EN 61000-4-2	1995
A1	1998		A1	1998

[11)] EN 61000-3-2:1995 and its amendments are superseded by EN 61000-3-2:2000, which is based on IEC 61000-3-2:2000 (mod).

[12)] EN 61000-4-1:1994 is superseded by EN 61000-4-1:2000, which is based on IEC 61000-4-1:2000.

Publication	Year	Title	EN/HD	Year
IEC 61000-4-3 (mod)	1995	Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	EN 61000-4-3 [13)]	1996
A1	1998		A1	1998
IEC 61000-4-4	1995	Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	EN 61000-4-4	1995
IEC 61000-4-6	1996	Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	EN 61000-4-6	1996
IEC 61000-4-11	1994	Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests	EN 61000-4-11	1994
IEC 61032	1997	Protection of persons and equipment by enclosures - Probes for verification	EN 61032	1998
IEC 61058-2-1	- [14)]	Switches for appliances Part 2-1: Particular requirements for core switches	EN 61058-2-1	1994 [15)]
IEC 61058-2-4	- [14)]	Part 2-4: Particular requirements for cord switches		
ISO 1456	1988	Metallic coatings - Electrodeposited coatings of nickel plus chromium and of copper plus nickel plus chromium	-	-
ISO 2081	1986	Metallic coatings - Electroplated coatings of zinc on iron or steel	-	-
ISO 2093	1986	Electroplated coatings of tin - Specification and test methods	-	-
ISO 4046	1978	Paper, board, pulp and related terms - Vocabulary	-	-

[13)] EN 61000-4-3:1996 is superseded by EN 61000-4-3:2002, which is based on IEC 61000-4-3:2002.

[14)] Undated reference.

[15)] Valid edition at date of issue.

INTERNATIONAL STANDARD

IEC 61058-1

Edition 3.1
2001-11

Edition 3:2000 consolidated with amendment 1:2001

Switches for appliances –

Part 1: General requirements

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