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Svenska Elektriska Kommissionen, SEK	2000-01-28	2	1 (1+105)	SEK Översikt 23
				Reg 428 08 20

Strömställare för fasta installationer (installationsströmställare) i hushåll och liknande – Del 1: Allmänna fordringar

Switches for household and similar fixed-electrical installations – Part 1: General requirements

Som svensk standard gäller europastandarden EN 60669-1:1999. Den svenska standarden innehåller den officiella engelska språkversionen av EN 60669-1:1999.

Nationellt förord

Europastandarden EN 60669-1:1999

består av:

– **europastandardens ikraftsättningsdokument,** utarbetat inom CENELEC

– **IEC 60669-1, Third edition, 1998 - Switches for household and similar fixed-electrical installations - Part 1: General requirements**

utarbetad inom International Electrotechnical Commission, IEC.

I Bilaga ZB redovisas tre svenska avvikelser, vilka av CENELEC accepterats till följd av speciella nationella förhållanden.

Tidigare utgiven svensk standard SS-EN 60669-1, utgåva 1, 1995, gäller ej fr o m 2005-10-01.

ICS 29.120.40

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EN 60669-1

October 1999

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Supersedes EN 60669-1:1995 + A2:1996

English version

Switches for household and similar fixed-electrical installations Part 1: General requirements

(IEC 60669-1:1998, modified)

Interrupteurs pour installations électriques fixes domestiques et analogues
Partie 1: Prescriptions générales
(CEI 60669-1:1998, modifiée)

Schalter für Haushalt und ähnliche ortsfeste elektrische Installationen
Teil 1: Allgemeine Anforderungen
(IEC 60669-1:1998, modifiziert)

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 60669-1:1999 E

Foreword

The text of the International Standard IEC 60669-1:1998, prepared by SC 23B, Plugs, socket-outlets and switches, of IEC TC 23, together with the common modifications prepared by the Technical Committee CENELEC TC 23B, Switches for household and similar fixed electrical installations, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 60669-1 on 1999-01-01.

This European Standard supersedes EN 60669-1:1995 and its amendment A2:1996.

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)	2000-05-01
- latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2005-10-01

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annexes A, B, ZA and ZB are normative, annex ZC is informative.
Annexes ZA, ZB and ZC have been added by CENELEC.

Annex ZA (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 60112	1979	Method for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions	HD 214 S2	1980
IEC 60212	1971	Standard conditions for use prior to and during the testing of solid electrical insulating materials	HD 437 S1	1984
IEC 60227-1[1)]	1993	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V Part 1: General requirements	-	-
IEC 60227-3 (mod)	1993	Part 3: Non-sheathed cables for fixed wiring	HD 21.3 S3	1995
IEC 60227-4	1992[2)]	Part 4: Sheathed cables for fixed wiring	-	-
IEC 60227-5 + A1 (mod)	1979 1987	Part 5: Flexible cables (cords)	HD 21.5 S3	1994
IEC 60245-1[3)]	1994	Rubber insulated cables of rated voltages up to and including 450/750 V Part 1: General requirements	-	-
IEC 60245-4 (mod)	1994	Part 4: Cords and flexible cables	HD 22.4 S3	1995
IEC 60364-4-46 (mod)	1981	Electrical installations of buildings Part 4: Protection for safety Chapter 46: Isolation and switching	HD 384.4.46 S1	1987
IEC 60417	1973	Graphical symbols for use on equipment Index, survey and compilation of the single sheets	HD 243 S12[4)]	1995

1) HD 21.1. S3:1997, which is related to, but not directly equivalent with, IEC 60227-1:1993, applies instead.
2) IEC 60227-4:1979, mod., was harmonized as HD 21.4 S2:1990.
3) HD 22.1. S3:1997, which is related to, but not directly equivalent with, IEC 60245-1:1994, applies instead.
4) HD 243 S12 is superseded by EN 60417-1 & -2:1999, which are based on IEC 60417-1 & -2:1998.

Publication	Year	Title	EN/HD	Year
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May	1991 1993
IEC 60670	1989	General requirements for enclosures for accessories for household and similar fixed electrical installations	-	-
IEC 60695-2-1	1991[5)]	Fire hazard testing Part 2: Test methods -- Section 1: Glow-wire test and guidance	-	-
IEC 60998-1 (mod)	1990	Connecting devices for low-voltage circuits for household and similar purposes Part 1: General requirements	EN 60998-1	1993
IEC 60998-2-1 (mod)	1990	Part 2-1: Particular requirements for connecting devices as separate entities with screw-type clamping units	EN 60998-2-1	1993
IEC 60998-2-2	1991	Part 2-2: Particular requirements for connecting devices as separate entities with screwless-type clamping units	EN 60998-2-2	1993
IEC 60999-1 (mod)	1990	Connecting devices - Safety requirements for screw-type and screwless-type clamping units for electrical copper conductors Part 1: General requirements and particular requirements for conductors from 0,5 mm² up to 35 mm² (included)	EN 60999-1 + corr. March	1993 1997
ISO 1456	1988	Metallic coatings - Electrodeposited coatings of nickel plus chromium and of copper plus nickel plus chromium	-	-
ISO 2039-2	1987	Plastics - Determination of hardness Part 2: Rockwell hardness	-	-
ISO 2081	1986	Metallic coatings - Electroplated coatings of zinc on iron or steel	-	-
ISO 2093	1986	Electroplated coatings of tin Specification and test methods	-	-

5) IEC 60695-2-1:1991 is superseded by IEC 60695-2-1/0 to 1/3:1994, which are harmonized as EN 60695-2-1/0 to 1/3:1996.

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SWITCHES FOR HOUSEHOLD AND SIMILAR FIXED-ELECTRICAL INSTALLATIONS –

Part 1: General requirements

1 Scope

This part of IEC 60669 applies to manually operated general purpose switches, for a.c. only with a rated voltage not exceeding 440 V and a rated current not exceeding 63 A, intended for household and similar fixed-electrical installations, either indoors or outdoors.

The rated current is limited to 16 A maximum for switches provided with screwless terminals.

NOTE 1 – An extension of the scope to switches for rated voltages higher than 440 V is under consideration.

The standard also applies to boxes for switches, with the exception of mounting boxes for flush-type switches.

NOTE 2 – In this standard specific requirements are given for boxes, while general requirements for boxes for ordinary* flush-type switches are given in IEC 60670.

It also applies to switches such as:

– switches incorporating pilot lights;
– electromagnetic remote control switches (particular requirements are given in part 2);
– switches incorporating a time-delay device (particular requirements are given in part 2);
– combinations of switches and other functions (with the exception of switches combined with fuses);
– electronic switches (particular requirements are given in part 2);
– switches having facilities for the outlet and retention of flexible cables (see annex B).

NOTE 3 – The minimum length of the flexible cable used with these switches may be governed by National Wiring Rules.

Switches complying with this standard are suitable for use at ambient temperatures not normally exceeding 25 °C, but occasionally reaching 35 °C.

NOTE 4 – Additional requirements for flush-type non-ordinary switches are under consideration.

NOTE 5 – Switches complying with this standard are suitable only for incorporation in equipment in such a way and in such a place that it is unlikely that the surrounding ambient temperature exceeds 35 °C.

In locations where special conditions prevail, such as in ships, vehicles and the like and in hazardous locations, for example where explosions are liable to occur, special constructions may be required.

This standard does not include requirements and tests for switches with protection against ingress of solid foreign bodies. These are under consideration.

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* See note 1 to 7.1.4.