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REDLINE VERSION

Strömställare för bruksföremål – Del 2-5: Särskilda fordringar på omkopplare

Switches for appliances –

Part 2-5: Particular requirements for change-over selectors

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REDLINE VERSION



Switches for appliances – Part 2-5: Particular requirements for change-over selectors

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SWITCHES FOR APPLIANCES –

Part 2-5: Particular requirements for change-over selectors

FOREWORD

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DISCLAIMER

This Redline version is not an official Standard and is intended to provide the user with an indication of what changes have been made to the previous version. Only the IEC International Standard provided in this package is to be considered the official Standard.

This Redline version provides you with a quick and easy way to compare all the changes between this standard and its previous edition. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.

International Standard IEC 61058-2-5 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:

- a) updated references due to new structure of IEC 61058-1;
- b) changes on conducting the heating test due to the corresponding changes in IEC 61058-1.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
23J/447/FDIS	23J/449/RVD

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 document has been drafted in accordance with the ISO/IEC Directives, Part 2.

This standard is to be used in conjunction with IEC 61058-1:2016 and IEC 61058-1-1:2016.

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 change-over selectors*.

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" 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*;
 - notes/explanatory matter: in smaller roman type.
- 2) subclauses, figures and tables which are additional to those in IEC 61058-1 are numbered starting from 101.

A list of all the 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
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SWITCHES FOR APPLIANCES –

Part 2-5: Particular requirements for change-over selectors

1 Scope

Replacement:

1.1 This Part of IEC 61058 applies to change-over selectors (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 480 V and a rated current not exceeding 63 A.

These change-over selectors 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~~ can involve transmission of a signal, for example electrical, optical, acoustic or thermal, between the actuating member or sensing unit and the switch.

Change-over selectors 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 or equipment such as a door.

NOTE 1 Electronic change-over selectors ~~may~~ can be combined with mechanical change-over selectors giving full disconnection or micro-disconnection.

NOTE 2 Electronic change-over selectors 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 change-over selectors used in tropical climates, additional requirements ~~may be necessary~~ can apply.

NOTE 4 Attention is drawn to the fact that the standards for appliances ~~may~~ can contain additional or alternative requirements for change-over selectors.

NOTE 5 Throughout this document, the word "appliance" means "appliance or equipment".

1.2 This document applies to change-over selectors intended to be incorporated in, on, or with an appliance.

1.3 This document also applies to change-over selectors incorporating electronic devices.

2 Normative references

This clause of Part 1 is applicable *except as follows*.

Addition:

IEC 61058-1:2016, *Switches for appliances – Part 1: General requirements*

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Strömställare för bruksföremål – Del 2-5: Särskilda fordringar på omkopplare

*Switches for appliances –
Part 2-5: Particular requirements for change-over selectors*

Som svensk standard gäller europastandarden EN IEC 61058-2-5:2021. Den svenska standarden innehåller den officiella engelska språkversionen av EN IEC 61058-2-5:2021.

Nationellt förord

Europastandarden EN IEC 61058-2-5:2021

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 61058-2-5, Third edition, 2018 - Switches for appliances - Part 2-5: Particular requirements for change-over selectors**

utarbetad inom International Electrotechnical Commission, IEC.

Standarden ska användas tillsammans med SS-EN IEC 61058-1, utgåva 4, 2018 och SS-EN 61058-1-1, utgåva 1, 2016.

Tidigare fastställd svensk standard SS-EN 61058-2-5, utgåva 2, 2011, gäller ej fr o m 2024-02-05.

Standarder underlättar utvecklingen och höjer elsäkerheten

Det finns många fördelar med att ha gemensamma tekniska regler för bl a mätning, säkerhet och provning och för utförande, skötsel och dokumentation av elprodukter och elanläggningar.

Genom att utforma sådana standarder blir säkerhetsfordringar tydliga och utvecklingskostnaderna rimliga samtidigt som marknadens acceptans för produkten eller tjänsten ökar.

Många standarder inom elområdet beskriver tekniska lösningar och metoder som åstadkommer den elsäkerhet som föreskrivs av svenska myndigheter och av EU.

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English Version

**Switches for appliances - Part 2-5: Particular requirements for
change-over selectors
(IEC 61058-2-5:2018)**

Interrupteurs pour appareils - Partie 2-5: Exigences
particulières pour les présélecteurs
(IEC 61058-2-5:2018)

Geräteschalter - Teil 2-5: Besondere Anforderungen an
Wahlschalter
(IEC 61058-2-5:2018)

This European Standard was approved by CENELEC on 2018-12-07. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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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

European foreword

The text of document 23J/447/FDIS, future edition 3 of IEC 61058-2-5, 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 61058-2-5:2021.

The following dates are fixed:

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

This document supersedes EN 61058-2-5:2011 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association.

Endorsement notice

The text of the International Standard IEC 61058-2-5:2018 was approved by CENELEC as a European Standard without any modification.

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.

The Annex ZA of EN IEC 61058-1:2018 applies with the following addition:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61058-1	2016	Switches for appliances - Part 1: General requirements	EN IEC 61058-1	2018

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SWITCHES FOR APPLIANCES –**Part 2-5: Particular requirements for change-over selectors**

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