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INTERNATIONAL STANDARD



**Switches for appliances –
Part 2-6: Particular requirements for switches used in electric motor-operated
hand-held tools, transportable tools and lawn and garden machinery**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SWITCHES FOR APPLIANCES –

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in electric motor-operated hand-held tools, transportable
tools and lawn and garden machinery**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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This redline version of the official IEC Standard allows the user to identify the changes made to the 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 61058-2-6 has been prepared by subcommittee 23J: Switches for appliances, of IEC technical committee 23: Electrical accessories.

This second edition cancels and replaces the first edition published in 2016. It constitutes a technical revision.

This edition includes the following significant change with respect to the previous edition:

Overall format to support IEC 61058-1, IEC 61058-1-1 and IEC 61058-1-2.

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

FDIS	Report on voting
3J/450/FDIS	23J/452/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 document is to be used in conjunction with IEC 61058-1:2016.

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 switches used in electric motor-operated hand-held tools, transportable tools and lawn and garden machinery.*

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", "modification" 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 small roman type.
- 2) subclauses, notes, 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, under the general title *Switches for appliances*, can be found on the IEC website.

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SWITCHES FOR APPLIANCES –

Part 2-6: Particular requirements for switches used in electric motor-operated hand-held tools, transportable tools and lawn and garden machinery

1 Scope

Clause 1 of IEC 61058-1:2016 is applicable except as follows.

~~4.1~~ *Addition:*

This part of IEC 61058 is a subset based on IEC 61058-1. The clauses outlined below are intended to address the specific requirements for switches incorporated into or integrated with electric motor-operated hand-held tools, transportable tools and lawn and garden machinery.

This document is intended for switches with an ambient temperature up to and including 55 °C. Switches tested according to IEC 61058-1 are considered to comply with this document and additional testing is not required provided ratings, loads, and endurance are correct.

NOTE This document takes into account the fact that tests are conducted as part of the end-product evaluation (e.g. products tested according to the IEC 60745 and IEC 62841 series, and lawn and gardening equipment tested according to the IEC 60335 series), and ~~need not be~~ that tests are not conducted on the component switch.

2 Normative references

Clause 2 of IEC 61058-1:2016 is applicable *except as follows*.

Addition:

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

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Switches for appliances –

Part 2-6: Particular requirements for switches used in electric motor-operated hand-held tools, transportable tools and lawn and garden machinery

Interrupteurs pour appareils –

Partie 2-6: Exigences particulières pour les interrupteurs utilisés sur les outils électroportatifs à moteur, les outils portables et les machines pour jardins et pelouses

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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Part 2-6: Particular requirements for switches used in electric motor-operated hand-held tools, transportable tools and lawn and garden machinery

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2 Normative references

Clause 2 of IEC 61058-1:2016 is applicable except as follows.

Addition:

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

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COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

INTERRUPTEURS POUR APPAREILS –

Partie 2-6: Exigences particulières pour les interrupteurs utilisés sur les outils électroportatifs à moteur, les outils portables et les machines pour jardins et pelouses

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La Norme internationale IEC 61058-2-6 a été établie par le sous-comité 23J: Interrupteurs pour appareils, du comité d'études 23 de l'IEC: Petit appareillage.

Cette deuxième édition annule et remplace la première édition parue en 2016, dont elle constitue une révision technique.

Cette édition inclut la modification majeure suivante par rapport à l'édition précédente:

Le format global a été modifié pour être compatible avec la structure révisée de l'IEC 61058-1, de l'IEC 61058-1-1 et de l'IEC 61058-1-2.

Le texte de cette Norme internationale est issu des documents suivants:

FDIS	Rapport de vote
3J/450/FDIS	23J/452/RVD

Le rapport de vote indiqué dans le tableau ci-dessus donne toute information sur le vote ayant abouti à l'approbation de cette Norme internationale.

Ce document a été rédigé selon les Directives ISO/IEC, Partie 2.

Le présent document doit être utilisé conjointement avec l'IEC 61058-1:2016.

Le présent document complète ou modifie les articles correspondants de l'IEC 61058-1, de façon à transformer cette publication en Norme IEC: *Exigences particulières pour les interrupteurs utilisés sur les outils électroportatifs à moteur, les outils portables et les machines pour jardins et pelouses.*

Lorsqu'un paragraphe particulier de l'IEC 61058-1 n'est pas mentionné dans le présent document, ce paragraphe s'applique pour autant que cela soit raisonnable. Lorsque le présent document spécifie "addition", "modification" ou "remplacement", le texte correspondant de la l'IEC 61058-1 doit être adapté en conséquence.

Dans la présente norme:

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 - notes/commentaires: petits caractères romains.
- 2) les paragraphes, notes, figures et tableaux qui sont ajoutés à ceux de l'IEC 61058-1 sont numérotés à partir de 101.

Une liste de toutes les parties de la série IEC 61058, publiées sous le titre général *Interrupteurs pour appareils*, peut être consultée sur le site web de l'IEC.

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INTERRUPTEURS POUR APPAREILS –

Partie 2-6: Exigences particulières pour les interrupteurs utilisés sur les outils électroportatifs à moteur, les outils portables et les machines pour jardins et pelouses

1 Domaine d'application

L'Article 1 de l'IEC 61058-1:2016 s'applique avec l'exception suivante.

Addition:

Le présent document est un sous-ensemble basé sur l'IEC 61058-1. Les articles ci-après visent à répondre aux exigences spécifiques aux interrupteurs incorporés ou intégrés aux outils électroportatifs à moteur, outils portables et machines pour jardins et pelouses.

Le présent document s'applique aux interrupteurs destinés à être utilisés à une température ambiante inférieure ou égale à 55 °C. Les interrupteurs satisfaisant aux essais de l'IEC 61058-1 sont considérés conformes au présent document, et aucun essai supplémentaire n'est exigé si les caractéristiques assignées, les charges et l'endurance sont correctes.

NOTE Le présent document considère que les essais sont réalisés dans le cadre de l'évaluation du produit final (par exemple, les produits soumis aux essais selon les séries IEC 60745 et IEC 62841 et les équipements pour jardins et pelouses soumis aux essais selon la série IEC 60335) et qu'ils ne sont pas effectués indépendamment sur l'interrupteur en tant que composant unitaire.

2 Références normatives

L'Article 2 de l'IEC 61058-1:2016 s'applique avec l'exception suivante.

Addition:

IEC 61058-1:2016, *Interrupteurs pour appareils – Partie 1: Exigences générales.*