

STN	Metodika určovania triedy energetickej účinnosti elektrického príslušenstva	STN EN IEC 63172 36 8053
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Electrical accessories - Methodology for determining the energy efficiency class of electrical accessories

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/20

Obsahuje: EN IEC 63172:2020, IEC 63172:2020

131709

EUROPEAN STANDARD

EN IEC 63172

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2020

ICS 27.015; 29.120.01

English Version

**Electrical accessories - Methodology for determining the energy efficiency class of electrical accessories
(IEC 63172:2020)**

Petit appareillage - Méthodologie pour déterminer la classe d'efficacité énergétique du petit appareillage
(IEC 63172:2020)

Verfahren zur Bestimmung der Energieeffizienzklasse für elektrisches Zubehör
(IEC 63172:2020)

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EN IEC 63172:2020 (E)**European foreword**

The text of document 23/830/CDV, future edition 1 of IEC 63172, prepared by IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63172:2020.

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) 2021-01-29
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IEC 60364-8-1 NOTE Harmonized as HD 60364-8-1



IEC 63172

Edition 1.0 2020-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Electrical accessories –
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**Petit appareillage –
Méthodologie pour déterminer la classe d'efficacité énergétique du petit
appareillage**

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IEC 63172

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INTERNATIONAL STANDARD

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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 27.015; 29.120.01

ISBN 978-2-8322-8005-8

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRICAL ACCESSORIES –**Methodology for determining the energy efficiency class of electrical accessories**

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International Standard IEC 63172 has been prepared by IEC technical committee 23: Electrical accessories.

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

CDV	Report on voting
23/830/CDV	23/863/RVC

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.

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INTRODUCTION

The electric energy efficiency of homes and buildings is continuously increasing by reducing the electric energy consumption of products. For example, changing from traditional incandescent lighting to LED lighting.

Specific electrical systems and accessories, for example home and building electronic systems (HBES) / building automation control systems (BACS), individual sensors, actors, actuators, dimmers and load shedding equipment (LSE), can contribute to additional energy savings.

Additional savings can also be achieved by managing and monitoring electrical energy use, depending on time, occupancy, inputs and needs from the grid.

HBES/BACS contribute to greater energy savings than the energy they consume to perform this task. However, as every watt counts, it is necessary to optimize their own energy consumption for given functionalities.

In the case of devices with more functionality (e.g. multi-channel switch actuators, control boxes, etc.), this document provides a methodology for determining the energy efficiency class of accessories based on the consumption of each function and their percentage of use. It aims to enable the system designer to determine the most efficient system considering the increasing user demand for additional functionalities.

ELECTRICAL ACCESSORIES –

Methodology for determining the energy efficiency class of electrical accessories

1 Scope

This document provides a methodology for determining the energy efficiency class of electrical accessories, to enable the system designer to determine the most efficient components for an electrical installation, also considering all functionalities.

NOTE Functionalities are for example: wireless communication, network connectivity, timer, energy monitoring.

This methodology is based on the energy consumption, taking into account the individual functions of the accessory.

The energy efficiency class approach contributes to the overall reduction of the energy consumption of an electrical installation.

2 Normative references

There are no normative references in this document.

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