KAITSESEADISED TÖÖSTUSSAGEDUSLIKE LIIGPINGETE EEST MAJAPIDAMIS- JA MUUDELE TAOLISTELE RAKENDUSTELE

Power frequency overvoltage protective devices (POPs) for household and similar applications

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 63052:2021 sisaldab Euroopa standardi EN IEC 63052:2021 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 63052:2021 consists of the English text of the European standard EN IEC 63052:2021.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 20.08.2021.	Date of Availability of the European standard is 20.08.2021.
Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.	The standard is available from the Estonian Centre for Standardisation and Accreditation.

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EUROPEAN STANDARD

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EN IEC 63052

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English Version

Power frequency overvoltage protective devices (POPs) for household and similar applications (IEC 63052:2019 + COR1:2019)

Dispositifs de protection contre les surtensions à fréquence industrielle (POP) pour les applications domestiques et similaires
(IEC 63052:2019 + COR1:2019)

Schutzeinrichtungen gegen netzfrequente Überspannungen für Hausinstallationen und für ähnliche Anwendungen (POP)
(IEC 63052:2019 + COR1:2019)

This European Standard was approved by CENELEC on 2019-09-25. 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.

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European foreword

The text of document 23E/1131/FDIS, future edition 1 of IEC 63052, prepared by SC 23E "Circuit-breakers and similar equipment for household use" of IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63052:2021.

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) 2022-02-20
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-08-20

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This document has been prepared under a Standardization Request given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For relationship with EU Directive(s) / Regulation(s), see informative Annex ZZ, which is an integral part of this document.

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The text of the International Standard IEC 63052:2019 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60060-2	NOTE	Harmonized as EN 60060-2
IEC 60068-2-30:2005	NOTE	Harmonized as EN 60068-2-30:2005 (not modified)
IEC 60068-3-4:2001	NOTE	Harmonized as EN 60068-3-4:2002 (not modified)
IEC 60085	NOTE	Harmonized as EN 60085
IEC 60112	NOTE	Harmonized as EN IEC 60112
IEC 60364-4-41	NOTE	Harmonized as HD 60364-4-41
IEC 60364-4-44	NOTE	Harmonized as HD 60364-4-444

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.

Publication	Year	Title	EN/HD	Year
IEC 60065 (mod)	2014	Audio, video and similar electronic apparatus - Safety requirements	EN 60065	2014
-	-		+ A11	2017
IEC 60269	series	Low-voltage fuses	EN 60269	series
IEC 60364	series	Low-voltage electrical installations	HD 60364	series
IEC 60384-14	2013	Fixed capacitors for use in electronic equipment - Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains	EN 60384-14	2013
+ A1	2016		+ A1	2016
IEC 60417	-	Graphical symbols for use on equipment	-	
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013
IEC 60664-1	2007	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	2007
IEC 60664-3	2016	Insulation coordination for equipment within low-voltage systems - Part 3: Use of coating, potting or moulding for protection against pollution	EN 60664-3	2017
IEC 60695-2-10	2013	Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure	EN 60695-2-10	2013
IEC 60695-2-11	2014	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products (GWEPT)	EN 60695-2-11	2014

Publication	Year	Title	EN/HD	Year
IEC 60898-1 (mod)	2015	Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 1: Circuit-breakers for a.c. operation	EN 60898-1	2019
IEC 60898-2	2016	Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 2: Circuit-breakers for AC and DC operation	EN 60898-2	2006
IEC 61000-4-2	2008	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	EN 61000-4-2	2009
IEC 61000-4-3	2020	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	EN 61004-4-3	2020
IEC 61000-4-4	2012	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	EN 61000-4-4	2012
IEC 61000-4-5	2014	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test	EN 61000-4-5	2014
+ A1	2017		+ A1	2017
IEC 61000-4-6	2013	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	EN 61000-4-6	2014
IEC 61000-4-16	2015	Electromagnetic compatibility (EMC) - Part 4-16: Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz	EN 61000-4-16	2016
IEC 61000-6-3	2020	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments	EN 61000-6-3	2007
-	-		+ A1	2011
IEC 61008-1 (mod)	2010	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules	EN 61008-1	2012
+ A1 (mod)	2012		+ A1	2014
+ A2 (mod)	2013		+ A2	2014
-	-		+ A11	2015
-	-		+ A12	2017

Publication	Year	Title	EN/HD	Year
IEC 61009-1 (mod)	2010	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 1: General rules	EN 61009-1	2012
+ A1 (mod)	2012		+ A1	2014
+ A2 (mod)	2013		+ A2	2014
-	-		+ A11	2015
-	-		+ A12	2016
IEC 61249-2	series	Materials for printed boards and other interconnecting structures	EN 61249-2	series
IEC 61543	1995	Residual current-operated protective devices (RCDs) for household and similar use - Electromagnetic compatibility	EN 61543	1995
+ A1	2004		-	-
-	-		+ corrigendum Dec.	1997
-	-		+ A11	2003
-	-		+ A12	2005
+ A2	2005		+ A2	2006
IEC 61558-1	2017		EN IEC 61558-1	2019
IEC 61558-2	series	Safety of power transformers, power supplies, reactors and similar products	EN 61558-2	series
IEC 62423	2009	Type F and type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses	EN 62423	2012
IEC 62873-2	2016	Residual current operated circuit-breakers for household and similar use – Part 2: Residual current devices (RCDs) – Vocabulary	-	-
IEC 62873-3-1	2016	Residual current operated circuit-breakers for household and similar use – Part 3-1: Particular requirements for RCDs with screwless-type terminals for external copper conductors	-	-
IEC 62873-3-2	2016	Residual current operated circuit-breakers for household and similar use – Part 3-2: Particular requirements for RCDs with flat quick-connect terminations	-	-
IEC 62873-3-3	2016	Residual current operated circuit-breakers for household and similar use – Part 3-3: Specific requirements for RCDs with screw-type terminals for external untreated aluminium conductors and with aluminium screw-type terminals for use with copper or with aluminium conductors	-	-

Publication	Year	Title	EN/HD	Year
ISO 306	2014	Plastics - Thermoplastic materials - Determination of Vicat softening temperature (VST)	EN ISO 306	2014
CISPR 14-1	2016	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission	EN 55014-1	2017
CISPR 32	2015	Electromagnetic compatibility of multimedia equipment - Emission requirements	EN 55032	2015
+ A1	2019		-	-
-	-		+ A11	2020

Annex ZZ
(informative)

Relationship between this European standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered

This European Standard has been prepared under a Commission's standardization request relating to harmonized standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

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Table ZZ.1 — Correspondence between this European standard and Annex I of Directive 2014/35/EU [2014 OJ L96]

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
(1)(a)	1, 2, 3, 4, 5, 6, 9.3	
(1)(b)	8.1, 8.2, 9.4, 9.5	
(1)(c)	7, 8.6, 8.12, 8.13, 9.1, 9.2, 9.9, 9.15, 9.16	
(2) (a)	8.3, 8.7, 8.13, 9.6, 9.10, 9.16	
(2) (b)	8.5, 8.6, 8.7, 8.8, , 8.14, 9.8, 9.9, 9.10, 9.11, 9.17, Annex A, Annex C	
(2) (c)	8.2.2, 9.1.1	
(2) (d)	8.2.3, 8.4, 9.7, 9.19, 9.20, 9.7, Annex B	
(3) (a)	8.9, 9.12	
(3) (b)	8.10, 8.11, 8.15, 9.13, 9.14, 9.18	
(3) (c)	8.8, 9.11, Annex C	

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WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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Power frequency overvoltage protection devices (POPs) for household and similar applications

Dispositifs de protection contre les surtensions à fréquence industrielle (POP) pour les applications domestiques et similaires

IEC 63052:2019-08(en-fr)

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Dispositifs de protection contre les surtensions à fréquence industrielle (POP) pour les applications domestiques et similaires

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