

SLOVENSKI STANDARD
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Oprema za merjenje električne energije (izmenični tok) - Splošne zahteve, preskusi in pogoji preskušanja - 31. del: Varnostne zahteve in preskusi proizvodov (IEC 62052-31:2024)

Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 31: Product safety requirements and tests (IEC 62052-31:2024)

Wechselstrom-Elektrizitätszähler - Allgemeine Anforderungen, Prüfungen und Prüfbedingungen - Teil 31: Sicherheitsanforderungen und Prüfungen (IEC 62052-31:2024)

Équipement de comptage de l'électricité (CA) - Exigences générales, essais et conditions d'essai - Partie 31: Exigences et essais sur la sécurité de produit (IEC 62052-31:2024)

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91.140.50	Sistemi za oskrbo z elektriko	Electricity supply systems

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Équipement de comptage de l'électricité - Exigences générales, essais et conditions d'essai - Partie 31: Exigences et essais sur la sécurité de produit (IEC 62052-31:2024)

Wechselstrom-Elektrizitätszähler - Allgemeine Anforderungen, Prüfungen und Prüfbedingungen - Teil 31: Sicherheitsanforderungen und Prüfungen (IEC 62052-31:2024)

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Comité Européen de Normalisation Electrotechnique
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EN IEC 62052-31:2024 (E)**European foreword**

The text of document 13/1923/FDIS, future edition 2 of IEC 62052-31, prepared by TC 13 "Electrical energy measurement and control" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62052-31:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2025-12-31 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2027-12-31 document have to be withdrawn

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Endorsement notice

The text of the International Standard IEC 62052-31:2024 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 standard indicated:

IEC 60060-1:2010	NOTE Approved as EN 60060-1:2010 (not modified)
IEC 60068-1:2013	NOTE Approved as EN 60068-1:2014 (not modified)
IEC 60079-0:2017	NOTE Approved as EN IEC 60079-0:2018 (not modified) +A11:2024
IEC 60079-11:2023	NOTE Approved as EN IEC 60079-11:2024 (not modified)
IEC 60228:2004	NOTE Approved as EN 60228:2005 (not modified)
IEC 60255-27:2023	NOTE Approved as EN IEC 60255-27:— (not modified) ¹
IEC 60364-1:2005	NOTE Approved as HD 60364-1:2008 +A11:2017
IEC 60364-4-41:2005	NOTE Approved as HD 60364-4-41:2007 +A11:2017 +A12:2019
IEC 60664-3:2016	NOTE Approved as EN 60664-3:2017 (not modified)
IEC 60670-24:2011	NOTE Approved as EN 60670-24:2013 +A11:2023
IEC 60898-1:2015	NOTE Approved as EN 60898-1:2019 +A11:2024

¹ Under preparation. Stage at the time of publication: FprEN IEC 60255-27:2022.

IEC 60947-1:2020	NOTE Approved as EN IEC 60947-1:2021 (not modified)
IEC 60990:2016	NOTE Approved as EN 60990:2016 (not modified)
IEC 61051-2:2021	NOTE Approved as EN IEC 61051-2:2021 (not modified)
IEC 61558-1:2017	NOTE Approved as EN IEC 61558-1:2019 (not modified)
IEC 61558-2-16:2021	NOTE Approved as EN IEC 61558-2-16:— (not modified) ²
IEC 61643-11:2011	NOTE Approved as EN 61643-11:2012 +A11:2018
IEC 61643-311	NOTE Approved as EN 61643-311
IEC 61643-321	NOTE Approved as EN 61643-321
IEC 61643-331:2020	NOTE Approved as EN IEC 61643-331:2020 (not modified)
IEC 61643-341	NOTE Approved as EN IEC 61643-341
IEC 61869 (series)	NOTE Approved as EN IEC 61869 (series)
IEC 61869-99:2022	NOTE Approved as EN IEC 61869-99:2022 (not modified)
IEC 62052-21:2004	NOTE Approved as EN 62052-21:2004 (not modified)
IEC 62054-11:2004	NOTE Approved as EN 62054-11:2004 (not modified)
IEC 62054-21:2004	NOTE Approved as EN 62054-21:2004 (not modified)
IEC 62057-1:2023	NOTE Approved as EN IEC 62057-1:2023 (not modified)
IEC 62058-11:2008	NOTE Approved as EN 62058-11:2010 (modified)
IEC 62477-1:2022	NOTE Approved as EN IEC 62477-1:2023 (not modified)
ISO 14971:2019	NOTE Approved as EN ISO 14971:2019 (not modified) +A11:2021

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² Under preparation. Stage at the time of publication: FprEN IEC 61558-2-16:2021.

EN IEC 62052-31:2024 (E)

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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60027-1	1992	Letters symbols to be used in electrical technology - Part 1: General	EN 60027-1	2006
+ A1	1997		-	-
+ A2	2005		+ A2	2007
IEC 60068-2-75	2014	Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	2014
IEC 60068-2-78	2012	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state	EN 60068-2-78	2013
IEC 60085	2007	Electrical insulation - Thermal evaluation and designation	EN 60085	2008
IEC 60112	2020	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	EN IEC 60112	2020
IEC 60269-3 (mod)	2010	Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household or similar applications) - Examples of standardized systems of fuses A to F	HD 60269-3	2010
IEC 60332-1-2	2004	Tests on electric and optical fibre cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame	EN 60332-1-2	2004
-	-		+ A11	2016
-	-		+ A12	2020
IEC 60332-2-2	2004	Tests on electric and optical fibre cables under fire conditions - Part 2-2: Test for vertical flame propagation for a single small insulated wire or cable - Procedure for diffusion flame	EN 60332-2-2	2004

IEC 60364-4-44 (mod)	2007	Low-voltage electrical installations - Part 4-44: Protection for safety - Protection against voltage disturbances and electromagnetic disturbances	HD 60364-4-442	2012
			HD 60364-4-444	2010
IEC 60384-14	2023	Fixed capacitors for use in electronic equipment - Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains	EN IEC 60384-14	2023
IEC 60417-DB-12M -		Graphical symbols for use on equipment	-	-
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+ corrigendum May 1993	
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013
IEC 60617-DB-12M -		Graphical symbols for diagrams	-	-
IEC 60664-1	2020	Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests	EN IEC 60664-1	2020
IEC 60695-2-11	2021	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end products (GWEPT)	EN IEC 60695-2-11	2021
IEC 60695-11-10	2013	Fire hazard testing - Part 11-10: Test flames - 50 W horizontal and vertical flame test methods	EN 60695-11-10	2013
IEC 60721-3-0	2020	Classification of environmental conditions - Part 3-0: Classification of groups of environmental parameters and their severities - Introduction	EN IEC 60721-3-0	2020
IEC 60721-3-3	2019	Classification of environmental conditions - Part 3-3: Classification of groups of environmental parameters and their severities - Stationary use at weather protected locations	EN IEC 60721-3-3	2019
IEC 60950-1	2005	Information technology equipment - Safety - Part 1: General requirements		-
+ A1	2009		-	-
+ A2	2013		-	-
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 61010-1	2010	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements	EN 61010-1	2010
+ A1 (mod)	2016		+ A1	2019

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+ A2	— ³		+ A2	— ⁴
IEC 61010-2-030	2017	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: Particular requirements for equipment having testing or measuring circuits	EN IEC 61010-2-030	2021
-	-		+ A11	2021
IEC 61032	1997	Protection of persons and equipment by enclosures - Probes for verification	EN 61032	1998
IEC 61180	2016	High-voltage test techniques for low-voltage equipment - Definitions, test and procedure requirements, test equipment	EN 61180	2016
IEC 61851-23	2014	Electric vehicle conductive charging system - Part 23: DC electric vehicle charging station	EN 61851-23	2014
IEC 62052-11	2020	Electricity metering equipment - General requirements, tests and test conditions - Part 11: Metering equipment	EN IEC 62052-11	2021
-	-		+ A11	2022
-	-		+ A12	2024
IEC 62052-31	2015	Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 31: Product safety requirements and tests	EN 62052-31	2016
IEC 62368-1	2018	Audio/video, information and communication technology equipment - Part 1: Safety requirements	EN IEC 62368-1	2020
-	-		+ A11	2020
ISO 75-2	2013	Plastics - Determination of temperature of deflection under load - Part 2: Plastics and ebonite	EN ISO 75-2	2013
ISO 3864-1	2011	Graphical symbols - Safety colours and safety signs - Part 1: Design principles for safety signs and safety markings	-	-
ISO 7000	2019	Graphical symbols for use on equipment - Registered symbols	-	-

³ Under preparation. Stage at time of publication: IEC 61010-1:2010/A2 (ED.3) CDV.

⁴ Under preparation. Stage at time of publication: EN 61010-1:2010/prA2.



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NORME INTERNATIONALE



**Electricity metering equipment – General requirements, tests and test conditions –
Part 31: Product safety requirements and tests**

**Équipement de comptage de l'électricité – Exigences générales, essais et conditions d'essai –
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