SLOVENSKI STANDARD
SIST EN 62052-31:2016

01-september-2016

Oprema za merjenje električne energije (izmenični tok) - Splošne zahteve, preskusi in pogoji preskušanja - 31. del: Varnostne zahteve in preskusi

Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 31: Safety requirements and tests

Ta slovenski standard je istoveten z: EN 62052-31:2016

ICS:

17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities
91.140.50	Sistemi za oskrbo z elektriko	Electricity supply systems

SIST EN 62052-31:2016 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62052-31

June 2016

ICS 19.080; 91.140.50

English Version

Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 31: Product safety requirements and tests (IEC 62052-31:2015)

Equipement de comptage de l'électricité (CA) - Exigences générales, essais et conditions d'essai - Partie 31 : Exigences et essais sur la sécurité de produit (IEC 62052-31:2015)

Wechselstrom-Elektrizitätszähler - Allgemeine Anforderungen, Prüfungen und Prüfbedingungen - Teil 31: Sicherheitsanforderungen und Prüfungen (IEC 62052-31:2015)

This European Standard was approved by CENELEC on 2015-10-20. 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: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 13/1639/FDIS, future edition 1 of IEC 62052-31, prepared by IEC/TC 13 "Electrical energy measurement and control" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62052-31:2016.

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) 2016-12-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-06-17

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

Endorsement notice

The text of the International Standard IEC 62052-31:2015 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 60038	NOTE	Harmonized as EN 60038.
IEC 60060-1:2010	NOTE	Harmonized as EN 60060-1:2010 (not modified).
IEC 60065	NOTE	Harmonized as EN 60065.
IEC 60068-1:2013	NOTE	Harmonized as EN 60068-1:2014 (not modified).
IEC 60071-1	NOTE	Harmonized as EN 60071-1.
IEC 60079-0	NOTE	Harmonized as EN 60079-0.
IEC 60228	NOTE	Harmonized as EN 60228.
IEC 60255-27:2013	NOTE	Harmonized as EN 60255-27:2014 (not modified).
IEC 60269-1	NOTE	Harmonized as EN 60269-1.
IEC 60335-1	NOTE	Harmonized as EN 60335-1.
IEC 60364-1:2005	NOTE	Harmonized as HD 60364-1:2008 (modified).
IEC 60364-4-41	NOTE	Harmonized as HD 60364-4-41.

IEC 60364-5-52	NOTE	Harmonized as HD 60364-5-52.
IEC 60664-3:2003 Amd 1:2010	NOTE	Harmonized as EN 60664-3:2003 (not modified) and as EN 60664-3:2003/A1:2010 (not modified).
IEC 60688:2012	NOTE	Harmonized as EN 60688:2013 (not modified).
IEC 60721-3-0:1984 Amd 1:1987	NOTE	Harmonized as EN 60721-3-0:1993 (not modified).
IEC 60721-3-3:1994 Amd 2:1997	NOTE	Harmonized as EN 60721-3-3:1995 (not modified) and as EN 60721-3-3:1995/A2:1997 (not modified)
IEC 60947-1:2007, Amd 1:2010 Amd 2:2014	NOTE	Harmonized as EN 60947-1:2007 (not modified), as EN 60947-1:2007/A1:2011 (not modified) and as EN 60947-1:2007/A2:2014 (not modified).
IEC 60990	NOTE	Harmonized as EN 60990.
IEC 61008-1	NOTE	Harmonized as EN 61008-1.
IEC 61000-4-5:2014	NOTE	Harmonized as EN 61000-4-5:2014 (not modified).
IEC 61010-1:2010	NOTE	Harmonized as EN 61010-1:2010 (not modified).
IEC 61030-2-030	NOTE	Harmonized as EN 61030-2-030.
IEC 61140	NOTE	Harmonized as EN 61140.
IEC 61180-1:1992	NOTE	Harmonized as EN 61180-1:1994 (not modified).
IEC 61558-1	NOTE	Harmonized as EN 61558-1.
IEC 61558-2-16	NOTE	Harmonized as EN 61558-2-16.
IEC 61643-12	NOTE	Harmonized as CLC/TS 61643-12.
IEC 61869-3	NOTE	Harmonized as EN 61869-3.
IEC 62052-11:2003	NOTE	Harmonized as EN 62052-11:2003 (not modified).
IEC 62052-21:2004	NOTE	Harmonized as EN 62052-21:2004 (not modified).
IEC 62053-11:2003	NOTE	Harmonized as EN 62053-11:2003 (not modified).
IEC 62053-21:2003	NOTE	Harmonized as EN 62053-21:2003 (not modified).
IEC 62053-22:2003	NOTE	Harmonized as EN 62053-22:2003 (not modified).
IEC 62053-23:2003	NOTE	Harmonized as EN 62053-23:2003 (not modified).
IEC 62053-24:2014	NOTE	Harmonized as EN 62053-24:2015 (not modified).
IEC 62053-31:1998	NOTE	Harmonized as EN 62053-31:1998 (not modified).
IEC 62054-11:2004	NOTE	Harmonized as EN 62054-11:2004 (not modified).
IEC 62054-21:2004	NOTE	Harmonized as EN 62054-21:2004 (not modified).
IEC 62055-31:2005	NOTE	Harmonized as EN 62055-31:2005 (not modified).

IEC 62058-11:2008	NOTE	Harmonized as EN 62058-11:2010 (modified).
IEC 62058-21:2008	NOTE	Harmonized as EN 62058-21:2010 (modified).
IEC 62058-31:2008	NOTE	Harmonized as EN 62058-31:2010 (modified).
IEC 62477-1:2012	NOTE	Harmonized as EN 62477-1:2012 (not modified).
ISO 780	NOTE	Harmonized as EN ISO 780.
ISO 7010	NOTE	Harmonized as EN ISO 7010.

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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 60027-1	-	Letter symbols to be used in electrical technology - Part 1: General	EN 60027-1	-
IEC 60068-2-75	2014	Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	2014
IEC 60068-2-78	-	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state	EN 60068-2-78	-
IEC 60085	-	Electrical insulation - Thermal evaluation and designation	EN 60085	-
IEC 60112	-	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	EN 60112	-
IEC 60269-3	-	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	-
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 1)

1) To be published.

Publication	Year	Title	EN/HD	Year
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 4-442: Protection for safety - Protection of low-voltage installations against temporary overvoltages due to earth faults in the high-voltage system and due to faults in the low voltage system	HD 60364-4-442	2012
IEC 60364-4-44 (mod)	2007	Low-voltage electrical installations - Part 4-444: Protection for safety - Protection against voltage disturbances and electromagnetic disturbances	HD 60364-4-444	2010
IEC 60417-DB	-	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	-	Graphical symbols for diagrams	-	-
IEC 60664-1	2007	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	2007
IEC 60695-2-11	-	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	-
IEC 60695-10-2	-	Fire hazard testing - Part 10-2: Abnormal heat - Ball pressure test method	EN 60695-10-2	-
IEC 60695-11-10	-	Fire hazard testing - Part 11-10: Test flames - 50 W horizontal and vertical flame test methods	EN 60695-11-10	-
IEC 60950-1 (mod)	2005	Information technology equipment - Safety - Part 1: General requirements	EN 60950-1	2006
-	-		+ A11	2009
+ A1 (mod)	2009		+ A1	2010
-	-		+ A12	2011
-	-		+ AC	2011
+ A2 (mod)	2013		+ A2	2013

Publication	Year	Title	EN/HD	Year
IEC 61032	1997	Protection of persons and equipment by enclosures - Probes for verification	EN 61032	1998
IEC 61180-2	-	High-voltage test techniques for low-voltage equipment - Part 2: Test equipment	EN 61180-2	-
IEC 62053-52	-	Electricity metering equipment (AC) - Particular requirements - Part 52: Symbols	EN 62053-52	-
ISO 75-2	-	Plastics - Determination of temperature of deflection under load - Part 2: Plastics and ebonite	EN ISO 75-2	-
ISO 306	-	Plastics - Thermoplastic materials - Determination of Vicat softening temperature (VST)	EN ISO 306	-
ISO 3864-1	-	Graphical symbols - Safety colours and safety signs - Part 1: Design principles for safety signs and safety markings	-	-
ISO 7000	2004	Graphical symbols for use on equipment - Index and synopsis	-	-

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INTERNATIONAL STANDARD

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