

SLOVENSKI STANDARD

SIST-TS CLC IEC/TS 62271-5:2026

01-februar-2026

Visokonapetostne stikalne in krmilne naprave - 5. del: Skupne specifikacije za stikalne in krmilne naprave za enosmerni tok (IEC/TS 62271-5:2024)

High-voltage switchgear and controlgear - Part 5: Common specifications for direct current switchgear and controlgear (IEC/TS 62271-5:2024)

Hochspannungs-Schaltgeräte und -Schaltanlagen - Teil 5: Gemeinsame Bestimmungen für Gleichstrom-Schaltgeräte und -Schaltanlagen (IEC/TS 62271-5:2024)

Appareillage à haute tension - Partie 5: Spécifications communes pour appareillage à courant continu (IEC/TS 62271-5:2024)

Ta slovenski standard je istoveten z: CLC IEC/TS 62271-5:2025

SIST-TS CLC IEC/TS 62271-5:2026

ICS:

29.130.10	Visokonapetostne stikalne in krmilne naprave	High voltage switchgear and controlgear
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SIST-TS CLC IEC/TS 62271-5:2026 en

TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
TECHNISCHE SPEZIFIKATION

CLC IEC/TS 62271-5

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ICS 29.130.10

English Version

High-voltage switchgear and controlgear - Part 5: Common specifications for direct current switchgear and controlgear (IEC/TS 62271-5:2024)

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This Technical Specification was approved by CENELEC on 2025-12-08.

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Document Preview

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<https://standards.iteh.ai/catalog/standards/sist/f2ae0e98-b27e-4a44-9479-eafc93ed7513/sist-ts-clc-iec-ts-62271-5-2026>



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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CLC IEC/TS 62271-5:2025 (E)**European foreword**

This document (CLC IEC/TS 62271-5:2025) consists of the text of IEC/TS 62271-5:2024 prepared by IEC/TC 17 "High-voltage switchgear and controlgear".

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

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Technical Specification/Technical Report IEC/TS 62271-5:2024 was approved by CENELEC as a European Technical Specification/Technical Report without any modification.

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

IEC/TS 62271-314	NOTE	Approved as CLC IEC/TS 62271-314
IEC/TS 62271-316	NOTE	Approved as CLC IEC/TS 62271-316
IEC/TS 62271-318	NOTE	Approved as CLC IEC/TS 62271-318
IEC 60034-1	NOTE	Approved as EN 60034-1
IEC 60051-1	NOTE	Approved as EN 60051-1
IEC 60051-2	NOTE	Approved as EN IEC 60051-2
IEC 60051-4	NOTE	Approved as EN IEC 60051-4
IEC 60051-5	NOTE	Approved as EN IEC 60051-5
IEC 60059	NOTE	Approved as EN 60059
IEC 60064	NOTE	Approved as EN 60064
IEC 60068-2 series	NOTE	Approved as EN IEC 60068-2 series
IEC 60073	NOTE	Approved as EN 60073
IEC 60081	NOTE	Approved as EN 60081
IEC 60130 series	NOTE	Approved as EN 60130 series
IEC 60228	NOTE	Approved as EN IEC 60228
IEC 60269-1	NOTE	Approved as EN IEC 60269-1
IEC 60309-1	NOTE	Approved as EN IEC 60309-1
IEC 60309-2	NOTE	Approved as EN IEC 60309-2
IEC 60393-1	NOTE	Approved as EN 60393-1

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IEC 60445	NOTE	Approved as EN IEC 60445
IEC 60447	NOTE	Approved as EN 60447
IEC 60664-1	NOTE	Approved as EN IEC 60664-1
IEC 60669-1	NOTE	Approved as EN 60669-1
IEC 60695-1 series	NOTE	Approved as EN 60695-1 series
IEC 60695-7 series	NOTE	Approved as EN 60695-7 series
IEC 60721-1	NOTE	Approved as EN 60721-1
IEC 60721-2 series	NOTE	Approved as EN 60721-2 series
IEC 60721-2-2	NOTE	Approved as EN IEC 60721-2-2
IEC 60721-2-4	NOTE	Approved as EN IEC 60721-2-4
IEC 60721-3 series	NOTE	Approved as EN IEC 60721-3 series
IEC 60721-3-4	NOTE	Approved as EN IEC 60721-3-4
IEC 60730-2-9	NOTE	Approved as EN IEC 60730-2-9
IEC 60730-2-13	NOTE	Approved as EN IEC 60730-2-13
IEC 60947-2	NOTE	Approved as EN IEC 60947-2
IEC 60947-3	NOTE	Approved as EN IEC 60947-3
IEC 60947-4-1	NOTE	Approved as EN IEC 60947-4-1
IEC 60947-4-2	NOTE	Approved as EN IEC 60947-4-2
IEC 60947-5-1	NOTE	Approved as EN IEC 60947-5-1
IEC 60947-7-1	NOTE	Approved as EN IEC 60947-7-1
IEC 60947-7-2	NOTE	Approved as EN 60947-7-2
IEC 61020-1	NOTE	Approved as EN IEC 61020-1
IEC 61810 series	NOTE	Approved as EN 61810 series
IEC 61810-1	NOTE	Approved as EN 61810-1
IEC 61810-2	NOTE	Approved as EN 61810-2
IEC 61850 series	NOTE	Approved as EN 61850 series
IEC 61936-1:2021	NOTE	Approved as EN IEC 61936-1:2021 (not modified) +A11:2025
IEC 62271-3:2015	NOTE	Approved as EN 62271-3:2015 (not modified)
IEC 62326-1	NOTE	Approved as EN 62326-1
IEC 62501	NOTE	Approved as EN IEC 62501
IEC 62612	NOTE	Approved as EN 62612

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60038 (mod)	2009	IEC standard voltages	EN 60038	2011
IEC 60050-614	2016	International Electrotechnical Vocabulary - Part 614: Generation, transmission and distribution of electricity - Operation	-	-
IEC 60050-811	-	International electrotechnical vocabulary - Part 811: Electric traction	-	-
IEC 60050-826	2022	International Electrotechnical Vocabulary (IEV) - Part 826: Electrical installations	-	-
IEC 60060-1	-	High-voltage test techniques - Part 1: General terminology and test requirements	EN IEC 60060-1	-
IEC 60068-2-1	2007	Environmental testing - Part 2-1: Tests - Test A: Cold	EN 60068-2-1	2007
IEC 60068-2-2	2007	Environmental testing - Part 2-2: Tests - Test B: Dry heat	EN 60068-2-2	2007
IEC 60068-2-17	1994	Basic environmental testing procedures - Part 2-17: Tests - Test Q: Sealing	EN 60068-2-17	1994
IEC 60068-2-30	2005	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)	EN 60068-2-30	2005
IEC 60071-1	2019	Insulation co-ordination - Part 1: Definitions, principles and rules	EN IEC 60071-1	2019
IEC 60071-2	2018	Insulation co-ordination - Part 2: Application guidelines	EN IEC 60071-2	2018
IEC 60071-11	2022	Insulation co-ordination - Part 11: Definitions, principles and rules for HVDC system	EN IEC 60071-11	2022
IEC 60085	2007	Electrical insulation - Thermal evaluation and designation	EN 60085	2008
IEC 60255-21-1	1988	Electrical relays - Part 21: Vibration, shock, bump and seismic tests on measuring relays and protection equipment - Section One: Vibration tests (sinusoidal)	EN 60255-21-1	1995

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60270	-	High-voltage test techniques - Charge-based measurement of partial discharges	EN IEC 60270	-
IEC 60296	-	Fluids for electrotechnical applications - Mineral insulating oils for electrical equipment	EN IEC 60296	-
IEC 60376	-	Specification of technical grade sulphur hexafluoride (SF ₆) and complementary gases to be used in its mixtures for use in electrical equipment	EN IEC 60376	-
IEC 60417	2006	Graphical symbols for use on equipment	-	-
IEC 60437	-	Radio interference test on high-voltage insulators	EN IEC 60437	-
IEC 60480	-	Specifications for the re-use of sulphur hexafluoride (SF ₆) and its mixtures in electrical equipment	EN IEC 60480	-
IEC 60512-2-2	-	Connectors for electronic equipment - Tests and measurements - Part 2-2: Electrical continuity and contact resistance tests - Test 2b: Contact resistance - Specified test current method	EN 60512-2-2	-
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-	-	+ AC	1993
+ A1	1999	-	+ A1	2000
+ A2	2013	-	+ A2	2013
IEC 60633	2019	High-voltage direct current (HVDC) transmission - Vocabulary	EN IEC 60633	2019
IEC/TS 60815-4	2019	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 4: Insulators for d.c. systems	-	-
IEC 61000-4-4	-	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	EN 61000-4-4	-
IEC 61000-4-11	-	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase	EN IEC 61000-4-11	-
IEC 61000-4-17	1999	Electromagnetic compatibility (EMC) - Part 4-17: Testing and measurement techniques - Ripple on d.c. input power port immunity test	EN 61000-4-17	1999
IEC 61000-4-18	-	Electromagnetic compatibility (EMC) - Part 4-18: Testing and measurement techniques - Damped oscillatory wave immunity test	EN IEC 61000-4-18	-