KÕRGEPINGEJAOTLA JA JUHTIMISAPARATUUR. OSA 108: KÕRGEPINGE VAHELDUVVOOLU LAHK-VÕIMSUSLÜLITID NIMIPINGETELE ÜLE 52 KV

High-voltage switchgear and controlgear - Part 108: High-voltage alternating current disconnecting circuit-breakers for rated voltages above 52 kV (IEC 62271-108:2020)



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 62271-108:2021 sisaldab Euroopa standardi EN IEC 62271-108:2020 ingliskeelset teksti.

This Estonian standard EVS-EN IEC 62271-108:2021 consists of the English text of the European standard EN IEC 62271-108:2020.

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Date of Availability of the European standard is 25.09.2020.

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ICS 29.130.10

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EN IEC 62271-108

September 2020

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Supersedes EN 62271-108:2006 and all of its amendments and corrigenda (if any)

English Version

High-voltage switchgear and controlgear - Part 108: High-voltage alternating current disconnecting circuit-breakers for rated voltages above 52 kV (IEC 62271-108:2020)

Appareillage à haute tension - Partie 108: Disjoncteurssectionneurs à courant alternatif à haute tension de tensions assignées supérieures à 52 kV (IEC 62271-108:2020) Hochspannungs-Schaltgeräte und -Schaltanlagen - Teil 108: Hochspannungs-Wechselstrom-Leistungsschalter mit Trennfunktion für Bemessungsspannungen größer 52 kV (IEC 62271-108:2020)

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European foreword

The text of document 17A/1269/FDIS, future edition 2 of IEC 62271-108, prepared by SC 17A "Switching devices" of IEC/TC 17 "High-voltage switchgear and controlgear" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62271-108:2020.

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
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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	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 60050-441	1984	International Electrotechnical Vocabulary. Switchgear, controlgear and fuses	-	-
IEC 60050-614	2016	International Electrotechnical Vocabulary - Part 614: Generation, transmission and distribution of electricity - Operation	-	-
IEC 62271-1	2017	High-voltage switchgear and controlgear - Part 1: Common specifications for alternating current switchgear and controlgear	EN 62271-1	2017
IEC 62271-100	-	High-voltage switchgear and controlgear - Part 100: Alternating current circuit- breakers	-	-
IEC 62271-102	2018	High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches	EN IEC 62271-102	2018
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INTERNATIONAL STANDARD

NORME INTERNATIONALE

High-voltage switchgear and controlgear –
Part 108: High-voltage alternating current disconnecting circuit-breakers for rated voltages above 52 kV

Appareillage à haute tension – Partie 108: Disjoncteurs-sectionneurs à courant alternatif à haute tension de tensions assignées supérieures à 52 kV





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INTERNATIONAL STANDARD

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HIGH-VOLTAGE SWITCHGEAR AND CONTROLGEAR -

Part 108: High-voltage alternating current disconnecting circuit-breakers for rated voltages above 52 kV

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International Standard IEC 62271-108 has been prepared by subcommittee 17A, Switching devices of IEC technical committee 17: High-voltage switchgear and controlgear.

This second edition cancels and replaces the first edition published in 2005. This edition contains the following significant technical changes with respect to the previous edition:

- The document has been restructured according to IEC 62271-1:2017.
- The document has been adapted to some of the changes introduced in IEC 62271-100:-1.
- The document has been adapted to some of the changes introduced in IEC 62271-102:2018.
- References have been reviewed and updated.

¹ Under preparation. Stage at the time of publication: IEC CDV 62271-100:2020.

- Some definitions have been reviewed and adapted to the latest IEV editions.
- Rated static terminal load and static terminal load test have been removed and a design requirement for static mechanical loads has been included.
- Additional type tests for auxiliary and control circuits have been included.
- X-radiation test procedure for vacuum interrupters has been included.
- Type test for testing of interlocking device and type test for testing of temporary mechanical locking devices have been included.
- Special requirements for making and breaking tests on class E2 disconnecting circuitbreakers have been removed.

The text of this standard is based on the following documents:

FDIS	Report on voting
17A/1269/FDIS	17A/1274/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This document is to be read in conjunction with IEC 62271-100:— and IEC 62271-102:2018, to which it refers and which are applicable, unless otherwise specified. In order to simplify the indication of corresponding requirements, the same numbering of clauses and subclauses is used as in IEC 62271-1:2017. Amendments to these clauses and subclauses are given under the same numbering, whilst additional subclauses are numbered from 101.

A list of all parts of the IEC 62271 series, under the general title *High-voltage switchgear and controlgear*, can be found on the IEC website.

In Canada, disconnecting circuit-breakers are accepted only when a visible gap is provided.

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