

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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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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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**

FOREWORD

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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 IEC 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 circuit-breakers 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.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.