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This standard includes the English version of the European Standard.

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EN 62271-112

October 2013

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English version

**High-voltage switchgear and controlgear -
Part 112: Alternating current high-speed earthing switches for secondary
arc extinction on transmission lines
(IEC 62271-112:2013)**

Appareillage à haute tension -
Partie 112: Sectionneurs de terre rapides
à courant alternatif pour l'extinction de
l'arc secondaire sur les lignes de transport
(CEI 62271-112:2013)

Hochspannungs-Schaltgeräte und -
Schaltanlagen -
Teil 112: Schnellschaltende
Wechselstrom-Erdungsschalter zum
Löschen von sekundären
Lichtbögen auf Freileitungen
(IEC 62271-112:2013)

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Foreword

The text of document 17A/1042/FDIS, future edition 1 of IEC 62271-112, prepared by subcommittee 17A, High-voltage switchgear and controlgear, of IEC/TC 17, "Switchgear and controlgear" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62271-112:2013.

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NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62271-1	2007	High-voltage switchgear and controlgear - Part 1: Common specifications	EN 62271-1	2008
IEC 62271-100	2008	High-voltage switchgear and controlgear - Part 100: Alternating current circuit-breakers	EN 62271-100	2009
IEC 62271-102	2001	High-voltage switchgear and controlgear -	EN 62271-102	2002
+ corr. April	2002	Part 102: Alternating current disconnectors	+ corr. July	2008
+ corr. February	2005	and earthing switches	+ corr. March	2005
+ corr. May	2003			
IEC 62271-203	2011	High-voltage switchgear and controlgear -	EN 62271-203	2012
+ corr. July	2013	Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV		



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**High-voltage switchgear and controlgear –
Part 112: Alternating current high-speed earthing switches for secondary arc
extinction on transmission lines**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HIGH-VOLTAGE SWITCHGEAR AND CONTROLGEAR –

**Part 112: Alternating current high-speed earthing switches
for secondary arc extinction on transmission lines**

FOREWORD

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International Standard IEC 62271-112 has been prepared by subcommittee 17A: High-voltage switchgear and controlgear, of IEC technical committee 17: Switchgear and controlgear.

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

FDIS	Report on voting
17A/1042/FDIS	17A/1050/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 International Standard should be read in conjunction with IEC 62271-1:2007, to which it refers and which is 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. Amendments to these clauses and subclauses are given under the same numbering, whilst additional subclauses, are numbered from 101.

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

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HIGH-VOLTAGE SWITCHGEAR AND CONTROLGEAR –

Part 112: Alternating current high-speed earthing switches for secondary arc extinction on transmission lines

1 General

1.1 Scope

This part of IEC 62271 applies to a.c. high-speed earthing switches designed for indoor and outdoor installation and for operation at service frequencies of 50 Hz and 60 Hz on systems having voltages of 550 kV and above.

High-speed earthing switches described in this standard are intended to extinguish the secondary arc remaining after clearing faults on transmission lines by the circuit-breakers.

1.2 Normative references

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.

IEC 62271-1:2007, *High-voltage switchgear and controlgear – Part 1: Common specifications*

IEC 62271-100:2008, *High-voltage switchgear and controlgear – Part 100: Alternating-current circuit-breakers*

IEC 62271-102:2001, *High-voltage switchgear and controlgear – Part 102: Alternating current disconnectors and earthing switches*

IEC 62271-203:2011, *High-voltage switchgear and controlgear – Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV*

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