## BS EN 62271-101:2013+A1:2018

Incorporating corrigendum January 2018



# **BSI Standards Publication**

## High-voltage switchgear and controlgear

Part 101: Synthetic testing



### **National foreword**

This British Standard is the UK implementation of EN 62271-101:2013, including amendment A1:2018 and corrigendum January 2018. It is identical to IEC 62271-101:2012, including amendment 1:2017 and corrigendum January 2018. It supersedes BS EN 62271-101:2013, which is withdrawn.

The text of IEC amendment 1:2017 has been provided in its entirety at the beginning of this document. BSI's policy of providing consolidated content remains unchanged; however, in the interest of expediency, in this instance BSI have chosen to collate the relevant content at the beginning of this document.

The UK participation in its preparation was entrusted to Technical Committee PEL/17/1, High-voltage switchgear and controlgear.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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# Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2013.

### Amendments/corrigenda issued since publication

Date	Text affected
30 April 2018	Implementation of IEC amendment 1:2017 and corrigendum January 2018 with CENELEC endorsement A1:2018

### **EUROPEAN STANDARD**

### EN 62271-101

## NORME EUROPÉENNE EUROPÄISCHE NORM

January 2013

ICS 29.130.10

Supersedes EN 62271-101:2006 + A1:2010

English version

# High-voltage switchgear and controlgear Part 101: Synthetic testing

(IEC 62271-101:2012)

Appareillage à haute tension -Partie 101: Essais synthétiques (CEI 62271-101:2012) Hochspannungs-Schaltgeräte und -Schaltanlagen -Teil 101: Synthetische Prüfung (IEC 62271-101:2012)

This European Standard was approved by CENELEC on 2012-11-16. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## **CENELEC**

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

### **Foreword**

The text of document 17A/1015/FDIS, future edition 2 of IEC 62271-101, prepared by SC 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 62271-101:2013.

The following dates are fixed:

•	latest date by which the document has to be implemented at national level by	(dop)	2013-08-16
•	publication of an identical national standard or by endorsement latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2015-11-16

This document supersedes EN 62271-101:2006 + A1:2010.

EN 62271-101:2013 includes the following significant technical changes with respect to EN 62271-101:2006:

- addition of the new rated voltages of 1 100 kV and 1 200 kV;
- revision of Annex F regarding circuit-breakers with opening resistors;
- alignment with the EN 62271-100:2009 + A1: 2012.

This publication shall be read in conjunction with EN 62271-100:2009, to which it refers. The numbering of the subclauses of Clause 6 is the same as in EN 62271-100. However, not all subclauses of EN 62271-100 are addressed; merely those where synthetic testing has introduced changes.

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 62271-101:2012 was approved by CENELEC as a European Standard without any modification.

## EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 62271-101:2013/A1

March 2018

ICS 29.130.10

### **English Version**

# High-voltage switchgear and controlgear - Part 101: Synthetic testing

(IEC 62271-101:2012/A1:2017 + COR1:2018)

Appareillage à haute tension - Partie 101: Essais synthétiques (IEC 62271-101:2012/A1:2017 + COR1:2018)

Hochspannungs-Schaltgeräte und -Schaltanlagen - Teil 101: Synthetische Prüfung (IEC 62271-101:2012/A1:2017 + COR1:2018)

This amendment A1 modifies the European Standard EN 62271-101:2013; it was approved by CENELEC on 2018-01-04. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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

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EN 62271-101:2013/A1:2018 (E)

### **European foreword**

The text of document 17A/1149/FDIS, future edition 1 of IEC 62271-101:2012/A1 prepared by IEC/SC 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 62271-101:2013/A1:2018.

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)	2018-10-04
•	latest date by which the national	(dow)	2021-01-04

standards conflicting with the document have to be withdrawn

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### **Endorsement notice**

The text of the International Standard IEC 62271-101:2012/A1:2017+ COR1:2018 was approved by CENELEC as a European Standard without any modification.