



**NSAI**  
Standards

Irish Standard  
I.S. EN 62271-203:2012

High-voltage switchgear and  
controlgear -- Part 203: Gas-insulated  
metal-enclosed switchgear for rated  
voltages above 52 kV (IEC 62271  
-203:2011 (EQV))

## I.S. EN 62271-203:2012

*Incorporating amendments/corrigenda issued since publication:*

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

<i>This document replaces:</i> EN 62271-203:2004	<i>This document is based on:</i> EN 62271-203:2012 EN 62271-203:2004	<i>Published:</i> 11 May, 2012 27 February, 2004
This document was published under the authority of the NSAI and comes into effect on:  15 May, 2012		ICS number: 29.130.10
<b>NSAI</b> 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie  W NSAI.ie	<b>Sales:</b> T +353 1 857 6730 F +353 1 857 6729 W standards.ie
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EUROPEAN STANDARD

**EN 62271-203**

NORME EUROPÉENNE

May 2012

EUROPÄISCHE NORM

ICS 29.130.10

Supersedes EN 62271-203:2004

English version

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

Appareillage à haute tension -  
Partie 203: Appareillage sous enveloppe  
métallique à isolation gazeuse de tensions  
assignées supérieures à 52 kV  
(CEI 62271-203:2011)

Hochspannungs-Schaltgeräte und -  
Schaltanlagen -  
Teil 203: Gasisolierte metallgekapselte  
Schaltanlagen für  
Bemessungsspannungen über 52 kV  
(IEC 62271-203:2011)

This European Standard was approved by CENELEC on 2011-10-12. 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.

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**CENELEC**

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

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

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### Foreword

The text of document 17C/512/FDIS, future edition 2 of IEC 62271-203, prepared by SC 17C, "High-voltage switchgear and controlgear assemblies", of IEC TC 17, "Switchgear and controlgear" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62271-203:2012.

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) 2012-11-11
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2014-10-12

This document supersedes EN 62271-203:2004.

EN 62271-203:2012 includes the following significant technical changes with respect to EN 62271-203:2004:

- adopting the structure and the content to EN 62271-1,
- harmonisation with IEEE C37.122,
- addition of the new Annex F and the new Annex G.

EN 62271-203:2012 should be read in conjunction with EN 62271-1:2008, 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 EN 62271-1. Amendments to these clauses and subclauses are given under the same numbering, whilst additional subclauses, are numbered from 101.

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 62271-203:2011 was approved by CENELEC as a European Standard without any modification.

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

IEC 60038	NOTE	Harmonized as EN 60038.
IEC 60060-1	NOTE	Harmonized as EN 60060-1.
IEC 60071-1:2006	NOTE	Harmonized as EN 60071-1:2006 (not modified).
IEC 61462	NOTE	Harmonized as EN 61462.
IEC 61672-1	NOTE	Harmonized as EN 61672-1.
IEC 61672-2	NOTE	Harmonized as EN 61672-2.
IEC 62155	NOTE	Harmonized as EN 62155.
IEC 62271-207	NOTE	Harmonized as EN 62271-207.

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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.

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 60044-1 (mod)	1996	Instrument transformers - Part 1: Current transformers	EN 60044-1	1999
IEC 60044-2 (mod)	1997	Instrument transformers - Part 2: Inductive voltage transformers	EN 60044-2 <sup>1)</sup>	1999
IEC 60068-2-11	-	Environmental testing - Part 2: Tests - Test Ka: Salt mist	EN 60068-2-11	-
IEC 60137	2008	Insulated bushings for alternating voltages above 1 000 V	EN 60137	2008
IEC 60141-1	-	Tests on oil-filled and gas-pressure cables and their accessories - Part 1: Oil-filled, paper- insulated, metal- sheathed cables and accessories for alternating voltages up to and including 400 kV	-	-
IEC 60270	-	High-voltage test techniques - Partial discharge measurements	EN 60270	-
IEC 60376	-	Specification of technical grade sulfur hexafluoride (SF <sub>6</sub> ) for use in electrical equipment	EN 60376	-
IEC 60480	-	Guidelines for the checking and treatment of sulphur hexafluoride (SF <sub>6</sub> ) taken from electrical equipment and specification for its re-use	EN 60480	-
IEC 60840	-	Power cables with extruded insulation and their accessories for rated voltages above 30 kV (U <sub>m</sub> = 36 kV) up to 150 kV (U <sub>m</sub> = 170 kV) - Test methods and requirements	-	-
IEC/TS 61639	1996	Direct connection between power transformers and gas-insulated metal- enclosed switchgear for rated voltages of 72,5 kV and above	-	-
IEC 62067	-	Power cables with extruded insulation and their accessories for rated voltages above 150 kV (U <sub>m</sub> = 170 kV) up to 500 kV (U <sub>m</sub> = 550 kV) - Test methods and requirements	-	-
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

<sup>1)</sup> EN 60044-2 is superseded by EN 61869-3:2011, which is based on IEC 61869-3:2011.

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