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National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 62231:2007

ICS 29.080.10

COMPOSITE STATION POST INSULATORS FOR SUBSTATIONS WITH A.C. VOLTAGES GREATER THAN 1 000 V UP TO 245 KV - DEFINITIONS, TEST METHODS AND ACCEPTANCE CRITERIA (IEC 62231:2006 (EQV))

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62231

December 2006

ICS 29.080.10

English version

Composite station post insulators for substations with a.c. voltages greater than 1 000 V up to 245 kV - Definitions, test methods and acceptance criteria
(IEC 62231:2006)

Isolateurs supports composites rigides à socle destinés aux postes à courant alternatif de tensions supérieures à 1 000 V jusqu'à 245 kV - Définitions, méthodes d'essai et critères d'acceptation
(CEI 62231:2006)

Verbundstützisolatoren für Unterwerke für Wechselspannung größer 1 kV bis 245 kV - Definitionen, Prüfmethoden und Annahmekriterien
(IEC 62231:2006)

This European Standard was approved by CENELEC on 2006-09-12. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

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Ref. No. EN 62231:2006 E

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Foreword

The text of document 36C/159/FDIS, future edition 1 of IEC 62231, prepared by SC 36C, Insulators for substations, of IEC TC 36, Insulators, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62231 on 2006-09-12.

This standard is to be used in conjunction with EN 62217:2006, *Polymeric insulators for indoor and outdoor use with a nominal voltage > 1 000 V - General definitions, test methods and acceptance criteria*.

The following dates were fixed:

– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2007-07-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2009-10-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62231:2006 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 60865	NOTE	Harmonized in EN 60865 series (not modified).
IEC 60507	NOTE	Harmonized as EN 60507:1993 (not modified).
IEC 61952	NOTE	Harmonized as EN 61952:2003 (not modified).

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 60050-471	-[1)]	International Electrotechnical Vocabulary (IEV) Chapter 471: Insulators	-	-
IEC 60060-1	-[1)]	High-voltage test techniques Part 1: General definitions and test requirements	HD 588.1 S1	1991[2)]
IEC 60168	1994	Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1000 V	EN 60168	1994[2)]
IEC 62217	-[1)]	Polymeric insulators for indoor and outdoor use with a nominal voltage > 1 000 V - General definitions, test methods and acceptance criteria	EN 62217 + corr. December	2006[2)] 2006
ISO 1101	-[1)]	Geometrical Product Specifications (GPS) - Geometrical tolerancing - Tolerances of form, orientation, location and run-out	EN ISO 1101	2005[2)]
ISO 3452	-[1)]	Non-destructive testing - Penetrant inspection - General principles	-	-

[1)] Undated reference.

[2)] Valid edition at date of issue.

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