



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 62155:2003**

ICS 29.080.10

**HOLLOW PRESSURIZED AND  
UNPRESSURIZED CERAMIC AND GLASS  
INSULATORS FOR USE IN ELECTRICAL  
EQUIPMENT WITH RATED VOLTAGES  
GREATER THAN 1 000 V  
(IEC 62155:2003, MODIFIED)**

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EUROPEAN STANDARD

**EN 62155**

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2003

ICS 29.080.10

Supersedes HD 329 S1:1977 & EN 61264:1998

English version

**Hollow pressurized and unpressurized  
ceramic and glass insulators  
for use in electrical equipment  
with rated voltages greater than 1 000 V  
(IEC 62155:2003, modified)**

Isolateurs creux avec ou sans pression interne, en matière céramique ou en verre, pour utilisation dans des appareillages prévus pour des tensions nominales supérieures à 1 000 V (CEI 62155:2003, modifiée)

Druckbeanspruchte und drucklose Hohlisolatoren aus keramischem Werkstoff und Glas für Anwendungen in elektrischen Betriebsmitteln mit Nennspannungen über 1 000 V (IEC 62155:2003, modifiziert)

This European Standard was approved by CENELEC on 2003-05-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and 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**

## Foreword

The text of document 36C/143/FDIS, future edition 1 of IEC 62155, 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 62155 on 2003-05-01.

A draft amendment, prepared by Reporting Secretariat SR 36C, was submitted to the formal vote and was approved by CENELEC for inclusion into EN 62155 on 2003-05-01.

This European Standard supersedes HD 329 S1:1977, EN 61264:1998 and its corrigendum July 2000.

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) 2004-03-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2006-05-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annex ZA is normative and annexes A to D and ZB are informative.

Annexes ZA and ZB have been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 62155:2003 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 standard indicated:

ISO 9001	NOTE	Harmonized as EN ISO 9001:1994, which is superseded by EN ISO 9001:2000 (ISO 9001:2000) (not modified)
ISO 9002	NOTE	Harmonized as EN ISO 9002:1994 (not modified)
ISO 9003	NOTE	Harmonized as EN ISO 9003:1994 (not modified)
IEC 60672-1	NOTE	Harmonized as EN 60672-1:1995 (not modified)
ISO 9004	NOTE	Harmonized as EN ISO 9004:2000 (not modified)
IEC 60273	NOTE	Harmonized as HD 578 S1:1992 (not modified)
IEC 60437	NOTE	Harmonized as EN 60437:1997 (not modified)
IEC 60507	NOTE	Harmonized as EN 60507:1993 (not modified)

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## Annex ZA (normative)

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

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 60672-3	1997	Ceramic and glass-insulating materials Part 3: Specifications for individual materials	EN 60672-3	1997
IEC 60694	1996	Common specifications for high-voltage switchgear and controlgear standards	EN 60694 + corr. May	1996 1999
IEC 60865-1	1993	Short-circuit currents - Calculation of effects Part 1: Definitions and calculation methods	EN 60865-1	1993
IEC 61166	1993	High-voltage alternating current circuit-breakers - Guide for seismic qualification of high-voltage alternating current circuit-breakers	EN 61166	1993
IEC 61463	1996	Bushings - Seismic qualification	-	-
IEC 62271-100	2001	High-voltage switchgear and controlgear Part 100: High-voltage alternating-current circuit-breakers	EN 62271-100	2001
ISO 1460	1992	Metallic coatings - Hot dip galvanized coatings on ferrous metals - Gravimetric determination of the mass per unit area	EN ISO 1460	1994
ISO 1461	1999	Hot dip galvanized coatings on fabricated iron and steel articles - Specifications and test methods	EN ISO 1461	1999
ISO 1463	1982	Metallic and oxide coatings - Measurement of coating thickness - Microscopical method	EN ISO 1463	1994
ISO 2064	1996	Metallic and other inorganic coatings - Definitions and conventions concerning the measurement of thickness	EN ISO 2064	2000
ISO 2178	1982	Non-magnetic coatings on magnetic substrates - Measurement of coating thickness - Magnetic method	EN ISO 2178	1995

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 4287	1997	Geometrical Product Specifications (GPS) - Surface texture: Profile method - Terms, definitions and surface texture parameters	EN ISO 4287	1998

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