



**National Standards Authority of Ireland**

**IRISH STANDARD**

**I.S. EN 61643-331:2003**

ICS 31.040

**COMPONENTS FOR LOW-VOLTAGE SURGE  
PROTECTIVE DEVICES PART 331:  
SPECIFICATION FOR METAL OXIDE  
VARISTORS (MOV) (IEC 61643-331:2003)**

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EUROPEAN STANDARD

**EN 61643-331**

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2003

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ICS 31.040

English version

**Components for low-voltage surge protective devices  
Part 331: Specification for metal oxide varistors (MOV)  
(IEC 61643-331:2003)**

Composants pour parafoudres  
basse tension  
Partie 331: Spécifications pour les  
varistances à oxyde métallique (MOV)  
(CEI 61643-331:2003)

Bauelemente für  
Überspannungsschutzgeräte für  
Niederspannung  
Teil 331: Festlegungen für  
Metalloxidvaristoren  
(IEC 61643-331:2003)

This European Standard was approved by CENELEC on 2003-07-01. 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**

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## Foreword

The text of document 37B/67/FDIS, future edition 1 of IEC 61643-331, prepared by SC 37B, Specific components for surge arresters and surge protective devices, of IEC TC 37, Surge arresters, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61643-331 on 2003-07-01.

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) 2004-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-07-01

Annexes designated "normative" are part of the body of the standard. In this standard, annexes A and ZA are normative. Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61643-331:2003 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 standards indicated:

IEC 60060-1	NOTE	Harmonized as HD 588.1 S1:1991 (not modified).
IEC 61000-4-5	NOTE	Harmonized as EN 61000-4-5:1995 (not modified).
IEC 61180-1	NOTE	Harmonized as EN 61180-1:1994 (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 60068-1	1988	Environmental testing Part 1: General and guidance	EN 60068-1 <sup>1)</sup>	1994
IEC 60068-2-6 + corr. March	1995 1995	Part 2: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	1995
IEC 60068-2-14	1984	Part 2: Tests - Test N: Change of temperature	EN 60068-2-14	1999
IEC 60068-2-20	1979	Part 2: Tests - Test T: Soldering	HD 323.2.20 S3 <sup>2)</sup>	1988
IEC 60068-2-29 + corr.	1987	Part 2: Tests - Test Eb and guidance: Bump	EN 60068-2-29	1993
IEC 60068-2-52	1996	Part 2: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution)	EN 60068-2-52	1996
IEC 60068-2-78	2001	Part 2-78: Tests - Test Cab: Damp heat, steady state	EN 60068-2-78	2001
IEC 61643-1 (mod) + corr. December	1998 1998	Low-voltage surge protective devices Part 11: Surge protective devices connected to low-voltage power systems - Requirements and tests	EN 61643-11	2002

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1) EN 60068-1 includes corrigendum october 1988 + A1:1992 to IEC 60068-1.

2) HD 323.2.20 S3 includes A2:1987 to IEC 60068-2-20.



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