



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60255-21-2:1999

ICS 29.120.70

**ELECTRICAL RELAYS. PART 21: VIBRATION,  
SHOCK, BUMP AND SEISMIC TESTS ON  
MEASURING RELAYS AND PROTECTION  
EQUIPMENT SECTION TWO: SHOCK AND  
BUMP TESTS (IEC 255-21-2:1988)**

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EUROPEAN STANDARD  
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EUROPÄISCHE NORM

**EN 60255-21-2**

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Descriptors: Measuring relays, shock and bump tests

English version

**Electrical relays**  
**Part 21: Vibration, shock, bump and seismic tests on**  
**measuring relays and protection equipment**  
**Section 2: Shock and bump tests**  
**(IEC 255-21-2:1988)**

Relais électriques  
Partie 21: Essais de vibrations, de  
chocs, de secousses et de tenue aux  
séismes applicables aux relais de  
mesure et aux dispositifs de protection  
Section 2: Essais de chocs et de  
secousses  
(CEI 255-21-2:1988)

Elektrische Relais  
Teil 21: Schwing-, Schock-,  
Dauerschock- und Erdbebenprüfungen  
an Meßrelais und Schutzeinrichtungen  
Hauptabschnitt 2: Schock- und  
Dauerschockprüfungen  
(IEC 255-21-2:1988)

This European Standard was approved by CENELEC on 1995-09-20. 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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 the International Standard IEC 255-21-2:1988, prepared by SC 41B<sup>\*)</sup>, Measuring relays and protection equipment, of IEC TC 41, Electrical relays, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 60255-21-2 on 1995-09-20 without any modification.

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) 1996-10-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 1996-10-01

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

In this standard, appendix A and annex ZA are normative.

Annex ZA has been added by CENELEC.

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### Endorsement notice

The text of the International Standard IEC 255-21-2:1988 was approved by CENELEC as a European Standard without any modification.

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<sup>\*)</sup> IEC SC 41B has been replaced by IEC TC 95, Measuring relays and protection equipment.

**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 68-2-27	1987	Basic environmental testing procedures Part 2: Tests - Test Ea and guidance: Shock	EN 60068-2-27	1993
IEC 68-2-29	1987	Test Eb and guidance: Bump	EN 60068-2-29 <sup>1)</sup>	1993
IEC 255-7	1978	Electrical relays Part 7: Test and measurement procedures for electromechanical all-or-nothing relays	-	-
IEC 255-21-1	1988	Part 21: Vibration, shock, bump and seismic tests on measuring relays and protection equipment Section 1: Vibration tests (sinusoidal)	EN 60255-21-1	1995
ISO 2041	1975	Vibration and shock - Vocabulary	-	-

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1) EN 60068-2-29 includes a corrigendum to IEC 68-2-29.



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