

Electrical relays —

Part 21: Vibration, shock, bump and seismic tests on measuring relays and protection equipment —

Section 3: Seismic tests

The European Standard EN 60255-21-3:1995 has the status of a British Standard

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Power Electrical Engineering Standards Policy Committee (PEL/-) to Technical Committee PEL/95, upon which the following bodies were represented:

- Association of Consulting Engineers
- Electricity Association
- Electronic Components Industry Federation
- Transmission and Distribution Association (BEAMA Ltd.)

This British Standard, having been prepared under the direction of the Power Electrical Engineering Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 December 1993

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The following BSI references relate to the work on this standard:
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National foreword

This Subsection of BS 142 has been prepared under the direction of the Power Electrical Engineering Standards Policy Committee. It is identical with IEC 255-21-3:1993 *Electrical relays — Part 21: Vibration, shock, bump and seismic tests on measuring relays and protection equipment — Section 3: Seismic tests*, published by the International Electrotechnical Commission (IEC).

NOTE This Subsection should be read in conjunction with BS 142-0 *General introduction and list of Parts*.

In 1994 the European Committee for Electrotechnical Standardization (CENELEC) accepted IEC 255-21-3:1993 as European Standard EN 60255-21-3:1995. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN 60255-21-3:1995 and any reference to BS 142-1.5.3 should be read as a reference to BS EN 60255-21-3.

Cross-references

International Standard	Corresponding British Standard
IEC 68-2-6:1982	BS 2011 <i>Environmental testing</i> Part 2.1:1983 <i>Tests, Test Fc. Vibration (sinusoidal)</i> (Identical)
IEC 255-21-1:1988	BS 142 <i>Electrical protection relays</i> Section 1.5 <i>Vibration, shock, bump and seismic testing</i> Subsection 1.5.1:1989 <i>Specification for vibration tests (sinusoidal)</i> (Identical)
IEC 255-21-2:1988	Subsection 1.5.2:1989 <i>Specification for shock and bump tests</i> (Identical)
IEC 68-2-57:1989	BS EN 60068 <i>Environmental testing</i> BS EN 60068-2-57:1993 Part 2 <i>Tests</i> <i>Test Ff. Vibration — Time-history method</i> (Identical)
IEC 68-3-3:1991	BS EN 60068-3-3:1993 Part 3 <i>Guidance</i> Section 4.3 <i>Seismic test methods for equipments</i> (Identical)
ISO 2041:1990	BS 3015:1991 <i>Glossary of terms relating to mechanical vibration and shock</i> (Identical)

In clauses 2 and 3 of the text, reference is made to the International Electrotechnical Vocabulary (IEV) (IEC Publication 50). There are two chapters of IEC 50 concerned with electrical relays, IEC 50 (446) and IEC 50 (448). BS 142-1.1 and BS 4727-1:Group 03 are related to IEC 50 (446). There is no related British Standard to IEC 50 (448).

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 12, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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Descriptors: Electrical relays, seismic tests

English version

Electrical relays
Part 21: Vibration, shock, bump and seismic tests on
measuring relays and protection equipment
Section 3: Seismic tests

(IEC 255-21-3:1993)

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 3: Essais de tenue aux séismes
(CEI 255-21-3:1993)

Elektrische Relais
Teil 21: Schwing-, Schock-, Dauerschock- und
Erdbebenprüfungen an Meßrelais und
Schutzeinrichtungen
Hauptabschnitt 3: Erdbebenprüfungen
(IEC 255-21-3:1993)

This European Standard was approved by CENELEC on 1995-03-06. 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

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Foreword

The text of the International Standard IEC 255-21-3:1993, prepared by IEC TC 95, Measuring relays and protection equipment, was submitted to the formal vote and was approved by CENELEC as EN 60255-21-3 on 1995-03-06 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) 1996-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1996-03-01

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 Annex A is informative. Annex ZA has been added by CENELEC.