

Electrical relays —

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

Section 2: Shock and bump tests

The European Standard EN 60255-21-2:1995 has the status of a British Standard

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the General Electrotechnical Standards Policy Committee (GEL/-) to Technical Committee GEL/5, upon which the following bodies were represented:

- British Telecommunications plc
- Electricity Supply Industry in England and Wales
- Electronic Components Industry Federation
- Transmission and Distribution Association (BEAMA Limited)

The following body was also represented in the drafting of the standard, through subcommittees and panels:

- Association of Consulting Engineers

This British Standard, having been prepared under the direction of the General Electrotechnical Engineering Standards Policy Committee, was published under the authority of the Board of BSI and comes into effect on 31 December 1989

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The following BSI references relate to the work on this standard:
Committee reference GEL/5
Draft for comment 86/27035 DC

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Amendments issued since publication

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National foreword

This Subsection of BS 142 has been prepared under the direction of the General Electrotechnical Engineering Standards Policy Committee. It is identical with IEC Publication 255-21-2:1988 “*Electrical relays. Part 21: Vibration, shock, bump and seismic tests on measuring relays and protection equipment. Section Two-Shock and bump 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 1995 the European Committee for Electrotechnical Standardization (CENELEC) accepted IEC 255-21-2:1988 as European Standard EN 60255-21-2:1995. As a consequence of implementing the European Standard this British Standard is numbered as BS EN 60255-21-2:1996 and any reference to BS 142-1.5.2:1989 should be read as reference to BS EN 60255-21-2:1996.

Cross-references

International standard	Corresponding British Standard
	BS 2011 <i>Basic environmental testing procedures</i> Part 2.1 <i>Tests</i>
IEC 68-2-27:(1987)	Part 2.1 Ea:1988 <i>Test Ea. Shock</i> (Identical)
IEC 68-2-29:(1987)	Part 2.1 Eb:1987 <i>Test Eb. Bump</i> (Identical)
	BS QC 160000 <i>Harmonized system of quality assessment for electronic components. Electrical relays. Generic specification: electromechanical all-or-nothing relays</i>
IEC 255-7:1978	Part 1:1987 <i>Test and measurement procedures</i> (Identical) BS 142 <i>Electrical protection relays</i> Part 1 <i>Information and requirements for all protection relays</i> <i>Section 1.5 Vibration, shock, bump and seismic testing</i>
IEC 255-21-1:1988	Subsection 1.5.1:1989 <i>Specification for vibration tests (sinusoidal)</i>

The international text refers to the International Electrotechnical Vocabulary. The corresponding British Standard is BS 4727 *Glossary of electrotechnical power, telecommunication, electronics, lighting and colour terms, of which* Part 1: Group 03 *Relay terminology* is particularly relevant. However, terms specific to the needs of protection relays are to be found in BS 142-1.1.

General references to IEC 255 in this context should be taken as equivalent to references to BS 142.

The British Standard related to ISO 2041-1975 is BS 3015 *Glossary of terms relating to mechanical vibration and shock*.

NOTE Typographical errors. In Table I, Table II and Table III, gn should be g_n.
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 10, 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.

ICS 29.120.70

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.

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CENELEC

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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