BRITISH STANDARD

BS EN 61140:2001
IEC 61140:1997

Protection against electric shock — Common aspects for installation and equipment

The European Standard EN 61140:2001 has the status of a British Standard

ICS 13.260; 91.140.50

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National foreword

This British Standard is the official English language version of EN 61140:2001. It is identical with IEC 61140:1997. It supersedes PD 6535:1993 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee JPEL/64, Electrical installations of buildings, which has the responsibility to:

— aid enquirers to understand the text;

— present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;

— monitor related international and European developments and promulgate them in the UK.

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This British Standard, having been prepared under the direction of the Electrotechnical Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 June 2001

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English version

Protection against electric shock - Common aspects for installation and equipment
(IEC 61140:1997)

Protection contre les chocs électriques - Aspects communs aux installations et aux matériels
(CEI 61140:1997)

Schutz gegen elektrischen Schlag - Gemeinsame Anforderungen für Anlagen und Betriebsmittel
(IEC 61140:1997)

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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, 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 61140:1997, prepared by IEC TC 64, Electrical installations and protection against electric shock, was submitted to the CENELEC Unique Acceptance Procedure and was approved by CENELEC as EN 61140 on 2000-08-01 without any modification.

This European Standard supersedes HD 366 S1:1977.

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)	2001-08-01
- latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2003-08-01

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.

Endorsement notice

The text of the International Standard IEC 61140:1997 was approved by CENELEC as a European Standard without any modification.

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INTRODUCTION

This International Standard is a Basic Safety Publication intended for use by technical committees in the preparation of standards in accordance with the principles of IEC Guide 104 and in ISO/IEC Guide 51.

The terms used throughout this standard which have been defined in clause 3 are printed in capitals.

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PROTECTION AGAINST ELECTRIC SHOCK – Common aspects for installation and equipment

1 Scope

This International Standard applies to the protection of persons and animals against ELECTRIC SHOCK. It is intended to give fundamental principles and requirements which are common to electrical installations, systems and EQUIPMENT or necessary for their co-ordination.

This standard has been prepared for installations, systems and EQUIPMENT having nominal or rated voltages not exceeding a.c. 1 000 V or d.c. 1 500 V. It may be used as guidance for higher voltages generated inside EQUIPMENT but it does not apply to high-voltage distribution systems.

The requirements of this standard apply only if they are incorporated, or are referred to, in the relevant standards. It is not intended to be used as a stand-alone standard.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards

ISO/IEC Guide 51:1990, *Guidelines for the inclusion of safety aspects in standards*

IEC Guide 104:1997, *The preparation of safety publications and the use of basic safety publications and group safety publications*

IEC 60050(131):1978, *International Electrotechnical Vocabulary (IEV) – Chapter 131: Electric and magnetic circuits*

IEC 60050(195): — *International Electrotechnical Vocabulary (IEV) – Chapter 195: Earthing and protection against electric shock*[1)]

IEC 60050(826):1982, *International Electrotechnical Vocabulary (IEV) – Chapter 826: Electrical installations of buildings*
Amendment 1 (1990)
Amendment 2 (1995)

IEC 60364-4-41:1992, *Electrical installations of buildings – Part 4: Protection for safety – Chapter 41: Protection against electric shock*

IEC 60364-4-443:1995, *Electrical installations of buildings – Part 4: Protection for safety – Chapter 44: Protection against overvoltages – Section 443: Protection against overvoltages of atmospheric origin or due to switching*

[1)] To be published.

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