



BSI Standards Publication

Home and building electronic systems (HBES) and building automation and control systems (BACS)

Part 3: Electrical safety requirements

National foreword

This British Standard is the UK implementation of EN IEC 63044-3:2018+A1:2025. It is identical to IEC 63044-3:2017, incorporating amendment 1:2021. It supersedes BS EN IEC 63044-3:2018, which will be withdrawn on 30 April 2028.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by **A1** **A1**.

The UK participation in its preparation was entrusted to Technical Committee PEL/23, Electrical accessories.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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UK Government is responsible for legislation. For information on legislation and policies relating to that legislation, consult the relevant pages of www.gov.uk.

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Amendments/corrigenda issued since publication

Date	Text affected
30 April 2025	Implementation of IEC amendment 1:2021 with CENELEC endorsement A1:2025

English Version

**Home and Building Electronic Systems (HBES) and Building
Automation and Control Systems (BACS) -
Part 3: Electrical safety requirements
(IEC 63044-3:2017)**

Systèmes Electroniques pour les Foyers Domestiques et
les Bâtiments (HBES) et Systèmes de Gestion Technique
du Bâtiment (SGTB) - Partie 3: Exigences de sécurité
électrique
(IEC 63044-3:2017)

Allgemeine Anforderungen an die Elektrische
Systemtechnik für Heim und Gebäude (ESHG) und an
Systeme der Gebäudeautomation (GA) -
Teil 3: Anforderungen an die elektrische Sicherheit
(IEC 63044-3:2017)

This European Standard was approved by CENELEC on 2017-03-03. 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.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 23/735/CDV, future edition 1 of IEC 63044-3, prepared by IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63044-3:2018.

The following dates are fixed:

- latest date by which the document has to be (dop) 2018-07-19
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2021-01-19
standards conflicting with the
document have to be withdrawn

This document supersedes EN 50491-3:2009.

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This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive.

For the relationship with EU Directive see informative Annex ZZ, which is an integral part of this document.

Endorsement notice

The text of the International Standard IEC 63044-3:2017 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 60065	NOTE	Harmonized as EN 60065.
IEC 60598 Series	NOTE	Harmonized as EN 60598 Series.
IEC 60669-2-1	NOTE	Harmonized as EN 60669-2-1.
IEC 60669-2-5	NOTE	Harmonized as EN 60669-2-5.
IEC 60730-1	NOTE	Harmonized as EN 60730-1.
IEC 60730-2-11	NOTE	Harmonized as EN 60730-2-11.
IEC 60730-2-14	NOTE	Harmonized as EN 60730-2-14.
IEC 60950-1:2005	NOTE	Harmonized as EN 60950-1:2006 (modified).
IEC 60990	NOTE	Harmonized as EN 60990.
IEC 61140	NOTE	Harmonized as EN 61140.
IEC 61558 Series	NOTE	Harmonized as EN 61558 Series.
IEC 61800 Series	NOTE	Harmonized as EN 61800 Series.
IEC 62040 Series	NOTE	Harmonized as EN 62040 Series.
IEC 62080	NOTE	Harmonized as EN 62080.
IEC 62094-1	NOTE	Harmonized as EN 62094-1.
IEC 62368-1	NOTE	Harmonized as EN 62368-1.
ISO 16484-2	NOTE	Harmonized as EN ISO 16484-2.

European foreword to Amendment 1

The text of document 23/912/CDV, future edition 1 of IEC 63044-3/A1, prepared by TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63044-3:2018/A1:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2026-04-30 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2028-04-30 document have to be withdrawn

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Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60038 (mod)	2009	IEC standard voltages	EN 60038 ¹⁾	2011
IEC 60364 (mod)	Series	Low-voltage electrical installations	HD 60364	Series
IEC 60364-5-52 (mod)	-	Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems	HD 60364-5-52	2011
IEC 60664-1	2007	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	2007
IEC 61180	-	High-voltage test techniques for low-voltage equipment - Definitions, test and procedure requirements, test equipment	EN 61180	2016
IEC 62151	2000	Safety of equipment electrically connected - to a telecommunication network		-
IEC 62949	-	Particular safety requirements for equipment to be connected to information and communication networks	EN 62949	2017
IEC 63044-1	-	Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 1: General requirements	EN 63044-1	2017

¹⁾ The title of EN 60038 is "CENELEC standard voltages".