



BSI Standards Publication

Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS)

Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light-industrial environments

National foreword

This British Standard is the UK implementation of EN IEC 63044-5-2:2019+A1:2024. It is identical to IEC 63044-5-2:2017, incorporating amendment 1:2022. It supersedes BS EN IEC 63044-5-2:2019, which will be withdrawn on 30 November 2027.

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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Amendments/corrigenda issued since publication

Date	Text affected
30 November 2024	Implementation of IEC amendment 1:2022 with CENELEC endorsement A1:2024

English Version

Home and Building Electronic Systems (HBES) and Building
Automation and Control Systems (BACS) - Part 5-2: EMC
requirements for HBES/BACS used in residential, commercial
and light-industrial environments
(IEC 63044-5-2:2017)

Systèmes Electroniques pour les Foyers Domestiques et
les Bâtiments (HBES) et Systèmes de Gestion Technique
du Bâtiment (SGTB) - Partie 5-2: Exigences CEM relatives
aux HBES/SGTB destinés à être utilisés dans des
environnements résidentiels, commerciaux et de l'industrie
légère
(IEC 63044-5-2:2017)

Allgemeine Anforderungen an die Elektrische
Systemtechnik für Heim und Gebäude (ESHG) und an
Systeme der Gebäudeautomation (GA) - Teil 5-2: EMV-
Anforderungen an ESHG/GA für den Gebrauch in
Wohnbereichen, Geschäfts- und Gewerbebereichen sowie
in Kleinbetrieben
(IEC 63044-5-2:2017)

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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 23/737/CDV, future edition 1 of IEC 63044-5-2, prepared by IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63044-5-2:2019.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-05-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-11-01

This document supersedes EN 50491-5-2:2010 and all of its amendments and corrigenda (if any).

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Endorsement notice

The text of the International Standard IEC 63044-5-2:2017 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 61000-4-20:2010	NOTE	Harmonized as EN 61000-4-20:2010 (not modified)
IEC 61000-6-1	NOTE	Harmonized as EN IEC 61000-6-1

European foreword to Amendment 1

The text of document 23/1002/FDIS, future edition 1 of IEC 63044-5-2/AMD1, prepared by TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63044-5-2:2019/A1:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2025-11-30 level by publication of an identical national standard or by endorsement
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Endorsement notice

The text of the International Standard IEC 63044-5-2:2017/AMD1:2022 was approved by CENELEC as a European Standard without any modification.

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where 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 61000-4-2	-	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	EN 61000-4-2	-
IEC 61000-4-3	-	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	-	-
IEC 61000-4-4	-	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	EN 61000-4-4	-
IEC 61000-4-5	-	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test	EN 61000-4-5	-
IEC 61000-4-6	-	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	EN 61000-4-6	-
IEC 61000-4-8	-	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test	EN 61000-4-8	-
IEC 61000-4-11	-	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests	EN 61000-4-11	-
IEC 61000-6-3	2020	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments	EN IEC 61000-6-3	2021

EN IEC 63044-5-2:2019+A1:2024 (E)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 63044-5-1	2017	Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-1: EMC requirements, conditions and test set-up	EN IEC 63044-5-1	2019
+ AMD1	2022		+ 1	2024