



BSI Standards Publication

Electromagnetic compatibility (EMC)

Part 2-4: Environment — Compatibility levels in power distribution systems in industrial locations for low-frequency conducted disturbances

This is a preview of BS EN IEC 61000-2-4:2024. [Click here to purchase the full version from the ANSI store.](#)

National foreword

This British Standard is the UK implementation of EN IEC 61000-2-4:2024. It is identical to IEC 61000-2-4:2024. It supersedes BS EN 61000-2-4:2002, which will be withdrawn on 29 August 2027.

The UK participation in its preparation was entrusted to Technical Committee GEL/210, EMC - Policy committee.

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
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EUROPÄISCHE NORM

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EN 61000-2-4:2002/AC:2014

English Version

Electromagnetic compatibility (EMC) - Part 2-4: Environment -
Compatibility levels in power distribution systems in industrial
locations for low-frequency conducted disturbances
(IEC 61000-2-4:2024)

Compatibilité électromagnétique (CEM) - Partie 2-4:
Environnement - Niveaux de compatibilité dans les réseaux
de distribution d'électricité sur des sites industriels pour les
perturbations conduites à basse fréquence
(IEC 61000-2-4:2024)

Elektromagnetische Verträglichkeit (EMV) - Teil 2-4:
Umgebungsbedingungen - Verträglichkeitspegel für
niederfrequente leitungsgeführte Störgrößen in
Industrieanlagen
(IEC 61000-2-4:2024)

This European Standard was approved by CENELEC on 2024-08-29. 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 CEN-CENELEC Management Centre 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 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

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European foreword

The text of document 77A/1215/FDIS, future edition 3 of IEC 61000-2-4, prepared by SC 77A "EMC - Low frequency phenomena" of IEC/TC 77 "Electromagnetic compatibility" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61000-2-4:2024.

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) 2025-05-29
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2027-08-29

This document supersedes EN 61000-2-4:2002 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a standardization request addressed to CENELEC by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

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.

Endorsement notice

The text of the International Standard IEC 61000-2-4:2024 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 standard indicated:

IEC 60038:2009	NOTE	Approved as EN 60038:2011
IEC 61000-1-2	NOTE	Approved as EN 61000-1-2
IEC 61000-4-15:2010	NOTE	Approved as EN 61000-4-15:2011 (not modified)
IEC 61511-1:2016	NOTE	Approved as EN 61511-1:2017 (not modified)

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(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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61000-2-2	2002	Electromagnetic compatibility (EMC) - Part 2-2: Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems	EN 61000-2-2	2002
+ A1	2017		+ A1	2017
+ A2	2018		+ A2	2019
IEC 61000-2-12	-	Electromagnetic compatibility (EMC) - Part 2-12: Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public medium-voltage power supply systems	EN 61000-2-12	-
IEC 61000-4-7	-	Electromagnetic compatibility (EMC) - Part 4-7: Testing and measurement techniques - General guide on harmonics and interharmonics measurements and instrumentation, for power supply systems and equipment connected thereto	EN 61000-4-7	-
CISPR 16-1-1	-	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-1: Radio disturbance and immunity measuring apparatus - Measuring apparatus	EN IEC 55016-1-1	-
CISPR 16-2-1	-	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements	EN 55016-2-1	-

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