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BS EN 61000-3-2:2014



BSI Standards Publication

Electromagnetic compatibility (EMC)

Part 3-2: Limits — Limits for harmonic
current emissions (equipment input
current ≤ 16 A per phase)

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This British Standard is the UK implementation of EN 61000-3-2:2014. It is identical to IEC 61000-3-2:2014. It supersedes BS EN 61000-3-2:2006+A2:2009, which will be withdrawn on 30 June 2017.

The UK participation in its preparation was entrusted by Technical Committee GEL/210, EMC - Policy committee, to Subcommittee GEL/210/12, EMC basic, generic and low frequency phenomena Standardization.

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

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Compliance with a British Standard cannot confer immunity from legal obligations.

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EUROPÄISCHE NORM

August 2014

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Supersedes EN 61000-3-2:2006

English Version

Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for
harmonic current emissions (equipment input current ≤ 16 A per
phase)
(IEC 61000-3-2:2014)

Compatibilité électromagnétique (CEM) - Partie 3-2: Limites
- Limites pour les émissions de courant harmonique
(courant appelé par les appareils ≤ 16 A par phase)
(CEI 61000-3-2:2014)

Elektromagnetische Verträglichkeit (EMV) - Teil 3-2:
Grenzwerte - Grenzwerte für Oberschwingungsströme
(Geräte-Eingangsstrom ≤ 16 A je Leiter)
(IEC 61000-3-2:2014)

This European Standard was approved by CENELEC on 2014-06-30. 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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

The text of document 77A/846/FDIS, future edition 4 of IEC 61000-3-2, prepared by SC 77A, "Low-frequency phenomena", of IEC TC 77, "Electromagnetic compatibility" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61000-3-2:2014.

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) 2015-03-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-06-30

This document supersedes EN 61000-3-2:2006.

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

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(s).

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

Endorsement notice

The text of the International Standard IEC 61000-3-2:2014 was approved by CENELEC as a European Standard without any modification.

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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 60050-131 | - | International Electrotechnical Vocabulary (IEV) -- Part 131: Circuit theory | - | - |
| IEC 60050-161 | - | International Electrotechnical Vocabulary (IEV) -- Chapter 161: Electromagnetic compatibility | - | - |
| IEC 60107-1 | - | Methods of measurement on receivers for television broadcast transmissions -- Part 1: General considerations - Measurements at radio and video frequencies | EN 60107-1 | - |
| IEC 60155 | - | Glow-starters for fluorescent lamps | EN 60155 | - |
| IEC 60268-1 | 1985 | Sound system equipment -- Part 1: General | HD 483.1 S2 | 1989 |
| IEC 60268-3 | - | Sound system equipment -- Part 3: Amplifiers (GMT) | EN 60268-3 | - |
| IEC 60335-2-2 | - | Household and similar electrical appliances Safety -- Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances | EN 60335-2-2 | - |
| IEC 60335-2-14 | - | Household and similar electrical appliances Safety -- Part 2-14: Particular requirements for kitchen machines | EN 60335-2-14 | - |
| IEC 60335-2-24 | 2010 | Household and similar electrical appliances Safety -- Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers | EN 60335-2-24 | 2010 |
| IEC 60335-2-79 | - | Household and similar electrical appliances Safety -- Part 2-79: Particular requirements for high pressure cleaners and steam cleaners | EN 60335-2-79 | - |
| IEC 60974-1 | - | Arc welding equipment -- Part 1: Welding power sources | EN 60974-1 | - |
| IEC 61000-2-2 | - | 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 | - |
| IEC 61000-3-12 | - | Electromagnetic compatibility (EMC) -- Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase | EN 61000-3-12 | - |

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|------------------|---|--|--------------|---|
| 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 | - |
| IEC/TS 61000-3-4 | - | Electromagnetic compatibility (EMC) -- Part 3-4: Limits - Limitation of emission of harmonic currents in low-voltage power supply systems for equipment with rated current greater than 16 A | | - |
| ITU-R BT.471-1 | - | Nomenclature and description of colour bar signals | | - |

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Annex ZZ (informative)

Coverage of Essential Requirements of EU Directives

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and within its scope the standard covers protection requirements of Annex I Article 1(a) of the EU Directive 2004/108/EC and protection requirements of Article 3.1(b) (emissions only) of the EU Directive 1999/5/EC.

Compliance with this standard provides one means of conformity with the specified essential requirements of the Directives concerned.

WARNING: Other requirements and other EU Directives may be applicable to the products falling within the scope of this standard.

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