

<b>STN</b>	<b>Elektromagnetická kompatibilita (EMC) Časť 3-12: Medze Medze harmonických zložiek prúdu vytváraných zariadeniami so vstupným fázovým prúdom &gt; 16 A a &lt;= 75 A, ktoré sa pripájajú k verejným rozvodným sieťam nízkeho napätia Zmena A1</b>	<b>STN EN 61000-3-12/A1  33 3432</b>
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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

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/24

STN EN 61000-3-12 z augusta 2012 sa bez tejto zmeny A1 môže používať do 20. 3. 2027.

Obsahuje: EN 61000-3-12:2011/A1:2024, IEC 61000-3-12:2011/AMD1:2021

**138770**

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Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2024  
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

EUROPEAN STANDARD

**EN 61000-3-12:2011/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2024

ICS 33.100.10

English Version

**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  $\leq 75$  A  
per phase  
(IEC 61000-3-12:2011/A1:2021)**

Compatibilité électromagnétique (CEM) - Partie 3-12:  
Limites - Limites pour les courants harmoniques produits  
par les appareils connectés aux réseaux publics basse  
tension ayant un courant appelé  $> 16$  A et  $\leq 75$  A par phase  
(IEC 61000-3-12:2011/A1:2021)

Elektromagnetische Verträglichkeit (EMV) - Teil 3-12:  
Grenzwerte für Oberschwingungsströme, verursacht von  
Geräten und Einrichtungen mit einem Eingangsstrom  $> 16$ A  
und  $\leq 75$ A je Leiter, die zum Anschluss an öffentliche  
Niederspannungsnetze vorgesehen sind  
(IEC 61000-3-12:2011/A1:2021)

This amendment A1 modifies the European Standard EN 61000-3-12:2011; it was approved by CENELEC on 2024-03-20. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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**

**EN 61000-3-12:2011/A1:2024 (E)****European foreword**

The text of document 77A/1042/CDV, future IEC 61000-3-12/A1, 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 61000-3-12:2011/A1:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2024-12-20 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2027-03-20 document have to be withdrawn

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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.

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**Endorsement notice**

The text of the International Standard IEC 61000-3-12:2011/A1:2021 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.cencenelec.eu](http://www.cencenelec.eu).

*Replace the following reference:*

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61000-3-2	2018	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current $\leq 16$ A per phase)	EN IEC 61000-3-2	2019
+ A1	2020		+ A1	2021



IEC 61000-3-12

Edition 2.0 2021-06

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

**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  $\leq 75$  A  
per phase**

**Compatibilité électromagnétique (CEM) –  
Partie 3-12: Limites – Limites pour les courants harmoniques produits par  
les appareils connectés aux réseaux publics basse tension ayant un courant  
appelé  $>16$  A et  $\leq 75$  A par phase**



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IEC 61000-3-12

Edition 2.0 2021-06

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

**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  
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**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****AMENDMENT 1****FOREWORD**

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Amendment 1 to IEC 61000-3-12:2011 has been prepared by subcommittee 77A: EMC – Low frequency phenomena, of IEC technical committee 77: Electromagnetic compatibility.

The text of this Amendment is based on the following documents:

CDV	Report on voting
77A/1042/CDV	77A/1074/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Amendment is English.



IEC 61000-3-12:2011/AMD1:2021

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- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

## 1 Scope

*Replace, in the first paragraph, “a.c.” with “AC”.*

*In Note 2, replace “and future IEC/TR 61000-3-14” with “and IEC/TR 61000-3-14”.*

## 2 Normative references

*Replace IEC 61000-3-2 with the following:*

IEC 61000-3-2:2018, *Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current  $\leq 16$  A per phase)*  
IEC 61000-3-2:2018/AMD1:2020

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**