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**SANS 61000-3-2:2009**

Edition 3.2

**IEC 61000-3-2:2009**

Edition 3.2

## **SOUTH AFRICAN NATIONAL STANDARD**

### **Electromagnetic compatibility (EMC)**

#### **Part 3-2: Limits — Limits for harmonic current emissions (equipment input current $\leq 16$ A per phase)**

This national standard is the identical implementation of IEC 61000-3-2:2009, and is adopted with the permission of the International Electrotechnical Commission.

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**Table of changes**

<b>Change No.</b>	<b>Date</b>	<b>Scope</b>
IEC amdt 1	2008	Amended to add definitions for the repeatability, reproducibility and variability of results of measurement, and provide additional test conditions for the measurement of harmonic currents associated with equipment such as vacuum cleaners and IT equipment.
IEC amdt 2	2009	Amended to add two normative references, a definition for total harmonic distortion and a simplified test method for equipment that undergoes minor changes or updates, and to replace and add a new figure 2 and text relating to measurement procedure, limits for Class C equipment, and test conditions for audio amplifiers, lamps and washing machines.

**National foreword**

This South African standard was approved by National Committee SABS/TC 073, *Electromagnetic compatibility*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This SANS document was published in June 2009.

This SANS document supersedes SANS 61000-3-2:2006 (edition 3 as modified by IEC amdt 1:2008).

**Compliance with this document cannot confer immunity from legal obligations.**

**Reaffirmed and reprinted in August 2016.  
This document will be reviewed every five years  
and be reaffirmed, amended, revised or withdrawn.**



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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Electromagnetic compatibility (EMC) –  
Part 3-2: Limits – Limits for harmonic current emissions (equipment input  
current  $\leq 16$  A per phase)**

**Compatibilité électromagnétique (CEM) –  
Partie 3-2: Limites – Limites pour les émissions de courant harmonique  
(courant appelé par les appareils  $\leq 16$  A par phase)**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

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## CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope.....	7
2 Normative references.....	7
3 Definitions .....	8
4 General .....	12
5 Classification of equipment .....	12
6 General requirements .....	13
6.1 Control methods .....	13
6.2 Harmonic current measurement .....	14
6.3 Equipment in a rack or case.....	16
7 Harmonic current limits .....	17
7.1 Limits for Class A equipment .....	19
7.2 Limits for Class B equipment .....	19
7.3 Limits for Class C equipment .....	19
7.4 Limits for Class D equipment .....	20
Annex A (normative) Measurement circuit and supply source.....	22
A.1 Test circuit.....	22
A.2 Supply source .....	22
Annex B (normative) Requirements for measurement equipment .....	25
Annex C (normative) Type test conditions.....	26
C.1 General.....	26
C.2 Test conditions for television (TV) receivers .....	26
C.3 Test conditions for audio amplifiers .....	27
C.4 Test conditions for video-cassette recorders.....	28
C.5 Test conditions for lighting equipment .....	28
C.6 Test conditions for independent and built-in incandescent lamp dimmers .....	29
C.7 Test conditions for vacuum cleaners .....	29
C.8 Test conditions for washing machines .....	29
C.9 Test conditions for microwave ovens .....	29
C.10 Test conditions for information technology equipment (ITE) .....	30
C.11 Test conditions for induction hobs .....	31
C.12 Test conditions for air conditioners .....	31
C.13 Test conditions for kitchen machines as defined in IEC 60335-2-14 .....	31
C.14 Test conditions for arc welding equipment which is not professional equipment .....	32

Figure 1 – Flowchart for determining conformity .....	18
Figure 2 – Illustration of the relative phase angle and current parameters described in 7.3 b) .....	19
Figure A.1 – Measurement circuit for single-phase equipment.....	23
Figure A.2 – Measurement circuit for three-phase equipment.....	24
Table 1 – Limits for Class A equipment .....	20
Table 2 – Limits for Class C equipment .....	21
Table 3 – Limits for Class D equipment .....	21
Table 4 – Test observation period .....	21
Table C.1 – Conventional load for arc welding equipment tests .....	32