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**SANS 164-2:2012**

Edition 3.1

## **SOUTH AFRICAN NATIONAL STANDARD**

**Plug and socket-outlet systems for household  
and similar purposes for use in South Africa**

**Part 2: IEC system, 16 A 250 V a.c.**

**WARNING — Can only be read  
in conjunction with  
SANS 164-0.**

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**Table of changes**

<b>Change No.</b>	<b>Date</b>	<b>Scope</b>
Amdt 1	2012	Amended to align the standard with the requirements in IEC 60906-1 and SANS 60884-1.

**Foreword**

This South African standard was approved by National Committee SABS SC 67C, *Electricity distribution systems and components – Electrical accessories*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

**This part of SANS 164, by reference in SANS 164-0, is referenced in the *Compulsory specification for plugs, socket-outlets and socket-outlet adaptors*, as published by Government Notice No. R 1075 (Government Gazette 33763) of 19 November 2010.**

This document was published in April 2012.

This document supersedes SANS 164-2:2006 (edition 3).

A vertical line in the margin shows where the text has been technically modified by amendment No. 1.

SANS 164 consists of the following parts, under the general title *Plug and socket-outlet systems for household and similar purposes for use in South Africa*:

*Part 0: General and safety requirements.*

*Part 1: Conventional system, 16 A 250 V a.c.*

*Part 2: IEC system, 16 A 250 V a.c.*

*Part 3: Conventional system, 6 A 250 V a.c.*

*Part 4: Dedicated system, 16 A 250 V a.c.*

*Part 5: Two-pole, non-rewirable plugs, 2,5 A 250 V a.c., with cord, for connection of class II equipment.*

*Part 6: Two-pole systems, 16 A 250 V a.c., for connection of class II equipment.*

Annexes A, B, C D, E and F form an integral part of this document.

## Contents

	Page
Foreword	
<b>1</b> Scope .....	3
<b>2</b> Normative references .....	3
<b>3</b> Definitions.....	3
<b>4</b> Requirements .....	4
Standard sheets 1-1 to 3-2.....	4-11
	<b>Amdt 1</b>
<b>Annex A</b> (normative) Gauge for checking impossibility of single-pole insertion in ITEM 2 of standard sheet 1-1 and ITEM 3 of standard sheets 3-1 and 3-2.....	12
	<b>Amdt 1</b>
<b>Annex B</b> (normative) Gauges to verify the distances in ITEMS 2 and 5 in standard sheet 1-1 and ITEMS 3 and 6 in standard sheets 3-1 and 3-2.....	14
	<b>Amdt 1</b>
<b>Annex C</b> (normative) Gauge to verify the distances in ITEMS 2 and 6 of standard sheet 1-1 and ITEMS 3 and 6 of standard sheets 3-1 and 3-2.....	16
	<b>Amdt 1</b>
<b>Annex D</b> (normative) Gauge for checking the maximum withdrawal force (see clause 22 in SANS 60884-1:2006).....	18
	<b>Amdt 1</b>
<b>Annex E</b> (normative) Gauge for checking the maximum withdrawal force (see clause 22 in SANS 60884-1:2006).....	19
	<b>Amdt 1</b>
<b>Annex F</b> (normative) Gauge for checking the minimum withdrawal force (see clause 22 in SANS 60884-1:2006).....	20
	<b>Amdt 1</b>
<b>Bibliography</b> .....	22
	<b>Amdt 1</b>

**SANS 164-2:2012**  
Edition 3.1

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## **Plug and socket-outlet systems for household and similar purposes for use in South Africa**

### **Part 2:** IEC system, 16 A 250 V a.c.

#### **1 Scope**

This part of SANS 164 covers the rating and dimensions of the IEC 16 A 250 V a.c. plug and socket-outlet system and socket-outlet adaptors for household and similar purposes, for use in South Africa.

#### **2 Normative references**

The following standards contain provisions which, through reference in this text, constitute provisions of this part of SANS 164. All standards are subject to revision and, since any reference to a standard is deemed to be a reference to the latest edition of that standard, parties to agreements based on this part of SANS 164 are encouraged to take steps to ensure the use of the most recent editions of the standards indicated below. Information on currently valid national and international standards can be obtained from the SABS Standards Division.

EN 50075, *Specification for flat non-wirable two-pole plugs 2,5 A 250 V, with cord, for the connection of class II-equipment for household and similar purposes.* **Amdt 1**

IEC 60417-DB, *Graphical symbols for use on equipment.* Available from World Wide Web: <<http://domino.iec.ch/IEC60417>>.

ISO 1302, *Geometrical Product Specifications (GPS) – Indication of surface texture in technical product documentation.*

SANS 164-0, *Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 0: General and safety requirements.*

SANS 60884-1, *Plugs and socket-outlets for household and similar purposes – Part 1: General requirements.* **Amdt 1**

#### **3 Definitions**

For the purposes of this part of SANS 164, the definitions given in SANS 164-0 apply.