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**SANS 164-1:2016**

Edition 5.3

# **SOUTH AFRICAN NATIONAL STANDARD**

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

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

**WARNING**

**This document references other  
documents normatively.**

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**Table of changes**

<b>Change No.</b>	<b>Date</b>	<b>Scope</b>
Amdt 1	2007	Amended to include maximum lengths of sleeves on plug pins, to clarify a drawing, and to change a dimension on the gauge in annex D.
Amdt 2	2012	Amended to state the phasing out period, to restrict the dimensions in standard sheets 1-1, 1-2 and annex D, and to add requirements for the multi-pin gauge.
Amdt 3	2011	Amended to update the requirements, and to update standard sheet 1-1.

**Foreword**

This South African standard was approved by National Committee SABS/TC 067/SC 03, *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 document was approved for publication in January 2016.

This document supersedes SANS 164-1:2012 (edition 5.2).

This document was written for use in South Africa only. It therefore might not be suitable for direct application in other jurisdictions where conflicting conditions exist.

A vertical line in the margin shows where the text has been technically modified by amendment No. 3.

**Over the next five years SANS 164-1 will be superseded by SANS 164-2 as the applicable standard for the conventional plug and socket-outlet system in South Africa.** Amdt 2

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

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, 10 A 250 V a.c. and 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.

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

### **Part 1:**

Conventional system, 16 A 250 V a.c.

## **1 Scope**

This part of SANS 164 covers the rating and dimensions of the conventional 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.

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.*

## **3 Definitions**

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

## **4 Requirements**

**4.1** The requirements of SANS 164-0 apply.

**4.2** Socket-outlets, socket-outlet adaptors and rewirable plugs shall be rated at 16 A and 250 V a.c.

**4.3** Plugs and socket-outlets shall comply with the dimensions given on the appropriate of standard sheets 1-1 or 1-2.

Use the gauges given in annexes A to F for checking the dimensions.

**4.4** Deleted by amendment No. 3.