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SOUTH AFRICAN NATIONAL STANDARD

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

Part 0: General and safety requirements

WARNING

This document references other documents normatively.

Published by SABS Standards Division
1 Dr Lategan Road Groenkloof ☒ Private Bag X191 Pretoria 0001
Tel: +27 12 428 7911 Fax: +27 12 344 1568

www.sabs.co.za

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Table of changes

Change No.	Date	Scope
Amdt 1	2007	Amended to include requirements for incorporated surge protection devices.
Amdt 2	2012	Amended to change the requirements for surge protective devices, and to provide drawings to illustrate common mode and differential mode surge protection.
Amdt 3	2016	Amended to update referenced standards and to change the clause on requirements.
Amdt 4	2017	Amended to update referenced standards, to update general requirements, and to include the requirements on USB outlets for fixed installation.

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 March 2017.

This document supersedes SANS 164-0:2016 (edition 1.3).

A vertical line in the margin shows where the text has been technically modified by amendment No. 4.

This document 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.

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 2-1: Partially dedicated system, 16 A 250 V a.c.

Part 2-2: Fully dedicated 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.

Compliance with this document cannot confer immunity from legal obligations.

Contents

	Page
Foreword	
1 Scope	3
2 Normative references	3
3 Definitions	4
4 Requirements	4
Bibliography	8
	Amdt 1

SANS 164-0:2017

Edition 1.4

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

Part 0: General and safety requirements

1 Scope

This part of SANS 164 covers the specific requirements for plugs, fixed or portable socket-outlets and socket-outlet adaptors, with or without earthing contact, with a rated current not exceeding 16 A and a rated voltage not exceeding 250 V and intended for household and similar purposes either indoors or outdoors 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 164-1, *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.*

SANS 164-2, *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.*

SANS 164-2-1, *Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 2-1: Partially dedicated system, 16 A 250 V a.c.* **Amdt 3**

SANS 164-2-2, *Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 2-2: Fully dedicated system, 16 A 250 V a.c.* **Amdt 3**

SANS 164-3, *Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 3: Conventional system, 6 A 250 V a.c.*

SANS 164-4, *Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 4: Dedicated system, 16 A 250 V a.c.*

SANS 164-5, *Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 5: Two-pole, non-rewirable plugs, 2,5 A 250 V a.c., with cord, for connection of class II equipment.*