

SS 472:1999(2020)+E1:2001/A1:2020
(ICS 29.120.30)

SINGAPORE STANDARD

**Specification for 15 A plugs and switched
socket-outlets for domestic and similar
purposes**

Incorporating Amendment No. 1 and Erratum No. 1

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Foreword

The standard was prepared by the Technical Committee on Electrical Accessories under the direction of the Electrical and Electronic Product Standards Committee.

This standard provides the testing requirements for plugs and switched socket-outlets for use on a nominal supply voltage not exceeding 250 V ac single-phase 50 Hz. The rated current of the plug and socket-outlet is 15 A.

This standard is based on BS 546 : 1950 'Specification for two-pole and earthing-pin plugs, socket-outlets, and socket-outlet adaptors' and is reproduced by permission of BSI, 389 Chiswick High Road, London W4 4AL, England. Reference is also made to SS 145 'Specification for 13 A plugs and socket-outlets for the requirements on socket contacts, shutters and additional tests on the materials'.

Amendment No. 1 was based on materials from BS 1363-2: 2016, "13 A Plus, socket-outlets, adaptors and connection units – Part 2: Specification for 13 A switched and unswitched socket-outlets" and BS EN 60695-10-2: 2014, "Fire hazard testing – Part 10-2: Abnormal heat – Ball pressure test method". Permission to reproduce and adapt these extracts from British Standards is granted by BSI Standards Limited (BSI). No other use of this material is permitted.

*As amended
Sep 2020*

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Specification for 15 A plugs and switched socket-outlets for domestic and similar purposes

1 Scope

This standard relates to 15 A rewirable plugs and switched socket-outlets, which contain a switch connected between the current carrying contact(s) of the socket-outlet and the relevant supply terminal(s), for use in a.c. circuits only.

Requirements are specified for 15A shuttered switched socket-outlets, for flush or surface mounting in suitable boxes complying with BS 4662.

In general, the provisions of this standard shall apply to plugs when wired with appropriate flexible cords or cables, and to socket-outlets installed. When the term socket-outlet appears, it refers to switched shuttered socket-outlet.

2 Conditions of use

Plugs and switched socket-outlets shall be suitable for use under the following conditions:

- (a) An ambient temperature having a peak value not exceeding + 40°C, the average value over 24 h not exceeding + 35°C;
- (b) A situation not subject to exposure to direct radiation from the sun or other source of heat likely to raise temperatures above limits specified in (a);
- (c) An altitude not exceeding 1000 m above sea level;
- (d) An atmosphere not subject to abnormal pollution by smoke, chemical fumes, rain, spray, prolonged periods of high humidity or other abnormal conditions.

*As amended
Sep 2020*

NOTE – Plugs and switched socket-outlets specified in this standard are not suitable for any electric vehicle charging application.