BS 1363-1:2016+A1:2018

BSI Standards Publication

13 A plugs, socket-outlets, adaptors and connection units

Part 1: Specification for rewirable and non-rewirable 13 A fused plugs

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Date	Text affected
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Contents

Summary of pages
This document comprises a front cover, and inside front cover, pages i to iv, pages 1 to 78, an inside back cover and a back cover.

Foreword

Publishing information

This part of BS 1363 is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 August 2016. It was prepared by Technical Committee PEL/23, *Electrical accessories*. A list of organizations represented on this committee can be obtained on request to its secretary.

Supersession

BS 1363-1:2016+A1:2018 supersedes BS 1363-1:2016, which is withdrawn.

BS 1363-1:2016 superseded BS 1363-1:1995+A4:2012, which remains current and will be withdrawn on 31 August 2019.

Information about this document

BS 1363 comprises five parts covering the following:

- *Part 1: Specification for rewirable and non-rewirable 13 A fused plugs;*
- *Part 2: Specification for 13 A switched and unswitched socket-outlets;*
- *Part 3: Specification for adaptors;*
- *Part 4: Specification for 13 A fused connection units; switched and unswitched;*
- *Part 5: Specification for fused conversion plugs.*

NOTE In order to prevent confusion with BS 1363:1984, the figure and clause numbers have been retained.

The structure of BS EN 50525 and its derivation from British Standards and HD 21 and HD 22 is set out in BS EN 50525-1:2011, National Annex NA. This is reproduced in Annex H for the convenience of users of this part of BS 1363.

BS 1363-1 was a new edition, which incorporated technical changes only. It did not represent a full review or revision of the standard, which will be undertaken in due course.

The new edition of BS 1363-1 incorporated Annex G (normative) which provides requirements for incorporated electronic components.

The new edition of BS 1363-1 incorporated Annex J (informative) which provides dimensions for plug profiles to improve compatibility with BS 1363-2:2016 socket-outlets incorporated in floor boxes and IP rated enclosures.

It is intended that Annex J will become normative in the future.

Text introduced or altered by Amendment No. 1 is indicated in the text by tags 〖A1〉 〈A1〉. Minor editorial changes are not tagged.

Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is "shall".

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Requirements in this standard are drafted in accordance with *Rules for the structure and drafting of UK standards*, subclause **J.1.1**, which states, "Requirements should be expressed using wording such

as: 'When tested as described in Annex A, the product shall ...'". This means that only those products that are capable of passing the specified test will be deemed to conform to this standard.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Conformity with a British Standard cannot confer immunity from legal obligations.

Particular attention is drawn to the following specific regulations:

- The Plugs and Sockets etc. (Safety) Regulations 1994. SI No. 1768. [1]

1 Scope

This part of BS 1363 specifies requirements for 13 A fused plugs having insulating sleeves on line and neutral pins, for household, commercial and light industrial purposes, with particular reference to safety in normal use. The plugs are suitable for the connection of portable appliances, sound-vision equipment, luminaires, etc. in a.c. circuits only, operating at voltages not exceeding 250 V r.m.s. at 50 Hz. Additional requirements are included for plugs suitable for electric vehicle charging.

Requirements are specified for plugs incorporating a fuse link conforming to BS 1362:1973. The plugs may be rewirable or non-rewirable complete with flexible cable. Two categories of plugs are specified covering normal and rough use. Rewirable plugs are intended for use with flexible cables conforming to the relevant parts of BS EN 50525 (see Annex H), having conductor cross-sectional areas from 0.5 mm^2 to 1.5 mm^2 inclusive.

*NOTE 1 See **19.1**.*

Non-rewirable plugs are intended for use with flexible cables having conductor cross-sectional areas not exceeding 1.5 mm^2.

*NOTE 2 See **19.4**.*

This standard also applies to non-rewirable 13 A plugs which have the earth pin replaced with a similarly dimensioned protrusion made of insulating material designated as an insulated shutter opening device (ISOD) designed to operate the shutter mechanism of socket-outlet conforming to BS 1363-2:2016.

A plug is mechanical by nature of construction. The product is therefore immune from electromagnetic interference.

Plugs incorporating switches and indicator lamps are included within the scope of this part of BS 1363.

Plugs incorporating electronic components contained in Annex G are included within the scope of this part of BS 1363.

Recommendations for plug in equipment incorporating BS 1363-1 plug pins are given in Annex I.

NOTE 3 The titles of the publications referred to in this part of BS 1363 are listed in the bibliography.

2 Conditions of use

Plug shall be suitable for use under the following conditions:

a) an ambient temperature in the range −5 °C to +40 °C, the average value over 24 h not exceeding 25 °C.

NOTE Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does not persist for lengthy periods.

b) a situation not subject to exposure to direct radiation from the sun or other source of heat likely to raise temperatures above the limits specified in a);

c) an altitude not exceeding 2 000 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. This is equivalent to pollution degree 2, see Annex E, and Overvoltage Category III, see Annex D.

