



BSI Standards Publication

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

Part 4: Specification for 13 A fused connection unit, switched and unswitched

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Published by BSI Standards Limited 2016

ISBN 978 0 580 85812 3

ICS 29.120.30

The following BSI references relate to the work on this document:

Committee reference PEL/23

Draft for comment 15/30297238 DC

Publication history

First published November 1995

Second (present) edition, August 2016

Amendments issued since publication

Date	Text affected
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Contents

Foreword *iii*

1	Scope	1
2	Conditions of use	1
3	Terms and definitions	2
4	General	4
5	General conditions for type testing	4
6	Classification	6
7	Marking and labelling	6
8	Clearances, creepage distances and solid insulation	8
9	Accessibility of live parts	11
10	Provision for earthing	11
11	Terminals	12
12	(Not used)	16
13	Construction of connection units	16
14	Resistance to ageing, resistance to humidity and protection provided by enclosures	19
15	Insulation resistance and electric strength	23
16	Temperature rise	24
17	Breaking capacity of connection units	26
18	Normal operation of connection units	26
19	Connection of flexible cables and cable anchorage	27
20	Mechanical strength	29
21	Screws, current-carrying parts and connections	30
22	Resistance to heat	31
23	Resistance to abnormal heat and fire	32
24	Resistance to excessive residual stresses and to rusting	33

Annexes

Annex A (normative)	The construction and calibration of a calibrated link	40
Annex B (normative)	Measurement of clearances and creepage distances	41
Annex C (normative)	Determination of the Comparative Tracking Index (CTI) and Proof Tracking Index (PTI)	45
Annex D (normative)	Relation between rated impulse withstand voltage, rated voltage and Overvoltage Category	46
Annex E (normative)	Pollution degree	46
Annex F (normative)	Impulse voltage test	47
Annex G (informative)	Specific structure of BS EN 50525 and its derivation from British Standards and from HD 21 and HD 22 (BS EN 50525-1:2011, National Annex A)	48

Bibliography 50

List of figures

Figure 19	Solid link for test on fuse clips (see Clause 20)	34
Figure 21a)	Pendulum impact test: General view of apparatus (see Clause 20)	34
Figure 21b)	Pendulum impact test: Constructional details of striking elements (see Clause 20)	35
Figure 21c)	Pendulum impact test: Constructional details of mounting support for test samples (see Clause 20)	36
Figure 28	Calibrated link (see A.1)	37
Figure 29	Calibration jig for calibrated link (see A.2)	38
Example 1		42
Example 2		42
Example 3		42
Example 4		42
Example 5		43
Example 6		43

Example 7	43
Example 8	43
Example 9	44
Example 10	44
Example 11	45

List of tables

Table 1 – Schedule of tests	5
Table 2 – Minimum clearances for basic insulation	9
Table 3 – Minimum creepage distances (mm) for basic insulation	10
Table 4 – Withstand voltages for insulation types	11
Table 5 – Torque values for screws and nuts	12
Table 6 – Actuator test force	19
Table 7 – Tightening torque values for cable glands	21
Table 8 – Test voltage across the open contacts for verifying the suitability for isolation, referred to the rated voltage and to the altitude where the test is carried out	24
Table 9 – Permitted temperature rises	25
Table 10 – Cable grip tests related to size of flexible cable	28
Table 11 – Application of glow-wire test	32
Table B.1 – Minimum values of width X	41
Table D.1 – Rated impulse withstand voltage for connection units energized directly from the low voltage mains	46
Table F.1 – Test voltages for verifying clearances at sea level	47
Table G.1 – Specific structure of BS EN 50525 and its derivation from British Standards and from HD 21 and HD 22 (BS EN 50525-1:2011, National Annex NA)	48

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 52, 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

This part of BS 1363 supersedes BS 1363-4:1995+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 G for the convenience of users of this part of BS 1363.

This new edition of BS 1363-4 incorporates technical changes only. It does not represent a full review or revision of the standard, which will be undertaken in due course.

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.

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1 Scope

This part of BS 1363 specifies requirements for 13 A fused fixed connection units for household, commercial and light industrial purposes, with particular reference to safety in normal use. The connection units are suitable for the connection of appliances, in a.c. circuits only, operating at voltages not exceeding 250 V r.m.s. at 50 Hz.

Requirements are specified for connection units incorporating a fuse-link conforming to BS 1362:1973.

Requirements are specified for 13 A connection units with or without associated controlling switches, for flush mounting in suitable enclosures, e.g. boxes conforming to BS 4662:2006+A1:2009, or for surface or panel mounting. Connection units are intended for use with cables conforming to BS 6004:2012 having copper conductors. Connection units with cable outlets are additionally intended for use with flexible cables, conforming to the relevant part of BS EN 50525 (see Annex G), on the load (output) side.

This standard does not apply to connection units incorporating screwless terminals for the connection of external conductors of the following types:

- flat quick-connect terminals;
- insulation-piercing connecting devices; and
- twist-on connecting devices.

NOTE 1 The titles of the publications referred to in this part of BS 1363 are listed in the bibliography.

NOTE 2 Requirements for electromagnetic compatibility are not given for the following reason.

A connection unit is mechanical by nature of construction. A connection unit does not emit intolerable electromagnetic interference and the product is immune from electromagnetic interference.

2 Conditions of use

Fused connection units shall be suitable for use under the following conditions:

- a) an ambient temperature in the range $-5\text{ }^{\circ}\text{C}$ to $+40\text{ }^{\circ}\text{C}$, the average value over 24 h not exceeding $25\text{ }^{\circ}\text{C}$;
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 occur 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 or other abnormal conditions. This is equivalent to pollution degree 2 (see Annex E) and Overvoltage Category III (see Annex D).