



Edition 3.0 2007-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Plugs and socket-putlets for household and similar purposes – Part 2-4: Particular requirements for plugs and socket-outlets for SELV

Prises de courant pour usages domestiques et analogues – Partie 2-4: Règles particulières pour prises de courant pour TBTS

f069c72b7428/iec-60884-2-4-2007





THIS PUBLICATION IS COPYRIGHT PROTECTED

Copyright © 2007 IEC, Geneva, Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either IEC or IEC's member National Committee in the country of the requester.

If you have any questions about IEC copyright or have an enquiry about obtaining additional rights to this publication, please contact the address below or your local IEC member National Committee for further information.

Droits de reproduction réservés. Sauf indication contraire, aucune partie de cette publication ne peut être reproduite ni utilisée sous quelque forme que ce soit et par aucun procédé, électronique ou mécanique, y compris la photocopie et les microfilms, sans l'accord écrit de la CEI ou du Comité national de la CEI du pays du demandeur. Si vous avez des questions sur le copyright de la CEI ou si vous désirez obtenir des droits supplémentaires sur cette publication, utilisez les coordonnées ci-après ou contactez le Comité national de la CEI de votre pays de résidence.

IEC Central Office 3, rue de Varembé CH-1211 Geneva 20 Switzerland Email: inmail@iec.ch Web: www.iec.ch

About the IEC

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes International Standards for all electrical, electronic and related technologies.

About IEC publications

The technical content of IEC publications is kept under constant review by the IEC. Please make sure that you have the latest edition, a corrigenda or an amendment might have been published.

Catalogue of IEC publications: www.ieo.ch/searchpub ARD PREVIEW

The IEC on-line Catalogue enables you to search by a variety of criteria (reference number, text, technical committee,...). It also gives information on projects, withdrawn and replaced publications.

IEC Just Published: www.iec.ch/online news/justpub
Stay up to date on all new IEC publications. Just Published details twice a month all new publications released. Available
on-line and also by email. IEC 60884-2-4:2007

Electropedia: <u>www.electropedia.otgrds.itch.ai/catalog/standards/sist/40749f98-4c78-42fc-9e4e-</u> The world's leading online dictionary of electronic and electrical terms containing more than 20 000 terms and definitions

in English and French, with equivalent terms in additional languages. Also known as the International Electrotechnical Vocabulary online.

Customer Service Centre: <u>www.iec.ch/webstore/custserv</u>

If you wish to give us your feedback on this publication or need further assistance, please visit the Customer Service Centre FAQ or contact us:

Email: <u>csc@iec.ch</u> Tel.: +41 22 919 02 11 Fax: +41 22 919 03 00

A propos de la CEI

La Commission Electrotechnique Internationale (CEI) est la première organisation mondiale qui élabore et publie des normes internationales pour tout ce qui a trait à l'électricité, à l'électronique et aux technologies apparentées.

A propos des publications CEI

Le contenu technique des publications de la CEI est constamment revu. Veuillez vous assurer que vous possédez l'édition la plus récente, un corrigendum ou amendement peut avoir été publié.

Catalogue des publications de la CEI: www.iec.ch/searchpub/cur_fut-f.htm

Le Catalogue en-ligne de la CEI vous permet d'effectuer des recherches en utilisant différents critères (numéro de référence, texte, comité d'études,...). Il donne aussi des informations sur les projets et les publications retirées ou remplacées.

Just Published CEI: www.iec.ch/online_news/justpub

Restez informé sur les nouvelles publications de la CEI. Just Published détaille deux fois par mois les nouvelles publications parues. Disponible en-ligne et aussi par email.

Electropedia: <u>www.electropedia.org</u>

Le premier dictionnaire en ligne au monde de termes électroniques et électriques. Il contient plus de 20 000 termes et définitions en anglais et en français, ainsi que les termes équivalents dans les langues additionnelles. Egalement appelé Vocabulaire Electrotechnique International en ligne.

Service Clients: <u>www.iec.ch/webstore/custserv/custserv_entry-f.htm</u>

Si vous désirez nous donner des commentaires sur cette publication ou si vous avez des questions, visitez le FAQ du Service clients ou contactez-nous:

Email: <u>csc@iec.ch</u> Tél.: +41 22 919 02 11

Fax: +41 22 919 03 00





Edition 3.0 2007-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Plugs and socket-butlets for household and similar purposes – Part 2-4: Particular requirements for plugs and socket-outlets for SELV

Prises de courant pour usages domestiques et analogues – Partie 2-4: Règles particulières pour prises de courant pour TBTS 1069c72b7428/iec-60884-2-4-2007

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

PRICE CODE CODE PRIX

Т

ICS 29.120.30

ISBN 2-8318-9359-3

CONTENTS

FOREWORD	4

1	Scope	7
2	Normative references	7
3	Definitions	8
4	General requirements	8
5	General remarks on tests	8
6	Ratings	8
7	Classification	9
8	Marking	9
9	Checking of dimensions	. 10
10	Protection against electric shock	. 10
11	Provision for earthing	. 11
12	Terminals and terminations	. 11
13	Construction of fixed socket-outlets	. 12
14	Construction of plugs and portable socket-outlets	. 12
15	Interlocked socket-outlets STANDARD PREVIEW	. 13
16	Resistance to ageing, protection provided by the enclosures, and resistance to humidity	. 13
17	Insulation resistance and electric strength	13
18	<u>IEC 60884-2-4:2007</u> Operation of earthing contacts algorithmic databased and size in the size of the	13
19	Temperature rise	13
20	Breaking capacity	13
21	Normal operation	14
22	Force necessary to withdraw the plug	. 15
23	Flexible cables and their connection	. 16
24	Mechanical strength	17
25		
	Resistance to heat	. 17
26	Resistance to heat Screws, current-carrying parts and connections	17 18
26 27	Resistance to heat Screws, current-carrying parts and connections Creepage distances, clearances and distances through sealing compound	17 18 18
26 27 28	Resistance to heat Screws, current-carrying parts and connections Creepage distances, clearances and distances through sealing compound Resistance of insulating material to abnormal heat, to fire and to tracking	17 18 18 19
26 27 28 29	Resistance to heat Screws, current-carrying parts and connections Creepage distances, clearances and distances through sealing compound Resistance of insulating material to abnormal heat, to fire and to tracking Resistance to rusting	17 18 18 19 20
26 27 28 29 30	Resistance to heat Screws, current-carrying parts and connections Creepage distances, clearances and distances through sealing compound Resistance of insulating material to abnormal heat, to fire and to tracking Resistance to rusting Additional tests on pins provided with insulating sleeves	17 18 18 19 20 20

Annex A (normative) Safety-related routine tests for factory-wired portable accessories	
(protection against electric shock and correct polarity)	23
Annex B (normative) Survey of specimens needed for tests	24

Figure 101 – Gauge for the verification of the maximum withdrawal force	21
Figure 102 – Gauge for the verification of the minimum withdrawal force	22

Table 1 – Ratings	9
Table 3 – Relationship between rated current and connectable nominal cross-sectional areas of copper conductors	.11
Table 11 – Nominal cross-sectional areas of rigid copper conductors for the deflection test of screwless terminals	.11
Table 16 – Maximum and minimum withdrawal forces	16
Table 17 – External dimensions of flexible cables to be accommodated by cord anchorages	.16
Table 18 – Torque test values for cord anchorages	16
Table 19 – Maximum dimensions of flexible cables to be accommodated in rewirable accessories	.17
Table 20 – Relationship between rating of accessories, nominal cross-sectional areas of test conductors and test currents for the tests of temperature rise (Clause 19) and normal operation (Clause 21)	.17
Table 23 – Creepage distances and clearances	19
Table A.1 – Diagrammatic representation of routine tests to be applied to factory-wired portable accessories	23
Table B.101 – Number of specimens required for the tests	24

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>IEC 60884-2-4:2007</u> https://standards.iteh.ai/catalog/standards/sist/40749f98-4c78-42fc-9e4ef069c72b7428/iec-60884-2-4-2007

INTERNATIONAL ELECTROTECHNICAL COMMISSION

PLUGS AND SOCKET-OUTLETS FOR HOUSEHOLD AND SIMILAR PURPOSES –

Part 2-4: Particular requirements for plugs and socket-outlets for SELV

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter. https://standards.iteh.ai/catalog/standards/sist/4074998-4c78-42fc-9e4e-
- 5) IEC provides no marking procedure to indicate the approval and cannot be rendered responsible for any equipment declared to be in conformity with an IEC Publication.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60884-2-4 has been prepared by subcommittee 23B: Plugs, socketoutlets and switches, of IEC technical committee 23: Electrical accessories.

This third edition cancels and replaces the second edition published in 1999. It constitutes a technical revision. The main changes from the previous edition are as follows:

Clause 7 – Classification:

- deletion of classification according to the degree of protection against harmful ingress of water;
- inapplicability of 7.1.3 of Part 1 concerning classification according to the provision for earthing:
- inapplicability of 7.2.2 of Part 1 concerning classification according to the existence of shutters.

Clause 8 – Marking:

- modification of the symbol for degree of protection to IPXX (Subclause 8.2).

Clause 9 – Checking of dimensions:

- addition of compliance paragraph in 9.1.

Clause 13 – Construction of fixed socket-outlets:

- applicability of 13.14 of Part 1;
- addition of requirement about multiple socket-outlets (Subclause 13.101).

Clause 14 – Construction of plugs and portable socket-outlets:

- modification of compliance paragraph of 14.23;
- addition of requirement about minimum nominal cross-sectional area of cables for cord extension sets (Subclause 14.101).

Clause 16 – Resistance to ageing, protection provided by the enclosures, and resistance to humidity:

applicability of the whole Clause of Part 1.

Clause 21 - Normal operation:

- addition of maximum specified dimensions, including tolerance, of the test plug.

- addition of maximum specified dimensions, including tolerance, of the test plug. (standards.iteh.ai)

Figures:

Annexes:

- new figures for gauges for the verification of maximum and minimum withdrawal force.

https://standards.iteh.ai/catalog/standards/sist/40749f98-4c78-42fc-9e4ef069c72b7428/iec-60884-2-4-2007

 deletion of informative Annex AA and inclusion of the relevant information in normative Annex B.

The text of this standard is based on the following documents:

CDV	Report on voting
23B/836/CDV	23B/858/RVC

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This Part 2-4 is intended to be used in conjunction with IEC 60884-1 and IEC 60906-3. It was established on the basis of the third edition of IEC 60884-1 (2002) and of its Amendment 1 (2006).

This Part 2-4 supplements or modifies the corresponding clauses in IEC 60884-1, so as to convert that publication into the IEC standard: Particular requirements for plugs and socket-outlets for SELV.

When a particular subclause of Part 1 is mentioned in this Part 2-4, that subclause applies as far as reasonable. Where this standard states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

In this standard the following print types are used:

- requirements proper: in roman type;
- test specification: in italic type;
- explanatory notes: in small roman type.

Subclauses or figures which are additional to those in Part 1 are numbered starting from 101; supplementary annexes are entitled AA, BB, etc.

When clauses of Part 1 are declared as applicable, they apply only where they contain requirements concerning plugs and socket-outlets for SELV.

A list of all parts of the IEC 60884 series, under the general title: *Plugs and socket-outlets for household and similar purposes*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended. iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>IEC 60884-2-4:2007</u> https://standards.iteh.ai/catalog/standards/sist/40749f98-4c78-42fc-9e4ef069c72b7428/iec-60884-2-4-2007

PLUGS AND SOCKET-OUTLETS FOR HOUSEHOLD AND SIMILAR PURPOSES –

Part 2-4: Particular requirements for plugs and socket-outlets for SELV

1 Scope

Replacement:

This Part 2-4 of IEC 60884 applies to plugs, fixed or portable socket-outlets, and to socketoutlets for appliances from 6 V up to and including 48 V d.c. or a.c. (50/60 Hz) SELV with rated current of 16 A, intended for household and similar purposes, either indoors or outdoors.

NOTE 1 The extension of this standard to higher frequencies is under consideration.

This standard does not cover requirements for flush mounting boxes; it covers only those requirements for surface-type mounting boxes which are necessary for the tests on the socket-outlet.

This standard also applies to plugs and socket-outlets incorporated in cord extension sets or integrated in or incorporated in appliances or intended to be fixed to them.

NOTE 2 A socket-outlet integrated in an appliance or equipment is a socket-outlet which is formed by the housing of the appliance or equipment.

A socket-outlet incorporated in an appliance <u>lorCequipment+is0a7</u> separate socket-outlet built in or fixed to an appliance or equipment.<u>https://standards.iteh.ai/catalog/standards/sist/40749f98-4c78-42fc-9e4e-</u>

f069c72b7428/iec-60884-2-4-2007

In addition, socket-outlets for appliances or equipment must comply with IEC 60884-2-2.

This standard does not apply to

- plugs, socket-outlets and couplers for industrial purposes;
- appliance couplers;
- fixed socket-outlets combined with fuses, automatic switches, etc.

Plugs and fixed or portable socket-outlets complying with this standard are suitable for use at ambient temperatures not normally exceeding 25 °C, but occasionally reaching 35 °C.

NOTE 3 Socket-outlets complying with this standard are only suitable for incorporation in equipment in such a way and in such a place that it is unlikely that the surrounding temperature exceeds $35 \,^{\circ}$ C.

In locations where special conditions prevail, such as in ships, vehicles and the like, and in hazardous locations, for example where explosions are liable to occur, special constructions may be required.

2 Normative references

This clause of Part 1 is applicable except as follows:

Addition:

IEC 60884-2-2, Plugs and socket-outlets for household and similar purposes – Part 2: Particular requirements for socket-outlets for appliances

IEC 60906-3:1994, IEC system of plugs and socket-outlets for household and similar purposes – Part 3: SELV plugs and socket-outlets, 16 A 6 V, 12 V, 24 V, 48 V, a.c. and d.c.

ISO 1302:2002, Geometrical Product Specifications (GPS) – Indication of surface texture in technical product documentation

3 Definitions

This clause of Part 1 is applicable, except as follows:

Addition:

3.101

SELV

voltage which does not exceed 50 V a.c. r.m.s. or 120 V d.c. (ripple free) between conductors, or between any conductor and earth, in a circuit which is isolated from the supply mains by means such as a safety isolating transformer or converter with separate windings

NOTE The rated voltages of the systems considered by this standard do not exceed 48 V a.c. and 48 V d.c.

4 General requirements

This clause of Part 1 is applicable TANDARD PREVIEW

5 General remarks on teststandards.iteh.ai)

This clause of Part 1 is applicable, except as follows:007

https://standards.iteh.ai/catalog/standards/sist/40749f98-4c78-42fc-9e4e-

5.4 Addition after the first paragraph.^{72b7428/iec-60884-2-4-2007}

When a manufacturer's design is used for d.c., as well as for a.c., three additional specimens are required for the tests of Clauses 19, 20 and 21.

When a manufacturer's design is used for two or more voltages, three additional specimens are required for each additional voltage.

All relevant tests are carried out with the specimens having the highest rated voltage(s).

In addition, compliance with the dimensions of standard sheets 1 to 6 of IEC 60906-3 is checked on one specimen of each type.

NOTE A table showing the specimens required for the tests is given in Annex B.

6 Ratings

This clause of Part 1 is applicable, except as follows:

6.1 *Replacement:*

Accessories shall be of the type and have voltage and current rating as shown in Table 1.

	-		
Туре	Rated voltage		Rated current
		V	А
2P (rewirable or non-rewirable)	AC	6 ^a , 12, 24, 48	16
	DC	6 ^a , 12, 24, 48	
^a Non-preferred values.			

Table 1 – Ratings

6.2 This subclause of Part 1 is not applicable.

Classification 7

This clause of Part 1 is applicable, except as follows:

- 7.1.3 This subclause is not applicable.
- 7.2.1 This subclause is not applicable.
- 7.2.2 This subclause is not applicable.

7.2.5 This subclause is not applicable. NDARD PREVIEW

(standards.iteh.ai) 7.3 Replacement:

Plugs are classified according to the class of equipment to which they are intended to be connected: https://standards.iteh.ai/catalog/standards/sist/40749f98-4c78-42fc-9e4e-

- plugs for equipment of class III.

NOTE For the description of the classes of equipment, see IEC 61140.

Marking 8

This clause of Part 1 is applicable except as follows:

8.1 Addition:

In addition, the terminals of d.c. accessories shall be marked with symbols.

8.2 Replacement:

When symbols are used, they shall be as follows:

Amperes	Α
Volts	V
Alternating current	~
Direct current	
Positive pole	+
Negative pole	_

Degree of protection, when relevant IPXX

NOTE 1 Details of construction of symbols are given in IEC 60417 (IEC 60417, *Graphical symbols for use on equipment*).

NOTE 2 In the IP code, the letter "X" is replaced by the relevant number.

NOTE 3 Lines formed by the construction of the tool are not considered as part of the marking.

For the marking of rated current and rated voltage, the figures may be used alone. These figures may be placed on one line separated by an oblique line or the figure for rated current may be placed above the figure for rated voltage, separated by a horizontal line.

The marking for the nature of supply shall be placed next to the marking for rated current and rated voltage.

NOTE 4 The marking for current, voltage and nature of supply may be, for instance, as follows:

16 A 48 V ~ or 16/48 ~ or $\frac{16}{48}$ ~ 16 A 12 V =--- or 16/12 =--- or $\frac{16}{12}$ =---

8.4 Deletion of the second paragraph.

8.5 Replacement:

Terminals for d.c. accessories shall be indicated by the symbols + and -.

(standards.iteh.ai)

These markings shall not be placed on screws, or any other easily removable parts.

NOTE 1 "Easily removable parts" are those parts which can be removed during the normal installation of the socket-outlet or the assembly of the plug. (069c72b7428/iec-60884-2-4-2007)

NOTE 2 Terminations in non-rewirable accessories need not be marked.

9 Checking of dimensions

This clause of Part 1 is applicable, except as follows:

9.1 Replacement:

Accessories shall comply with the relevant standard sheets 1 to 6 of IEC 60906-3, as applicable.

Compliance is checked by inspection.

9.2 Replacement of all the paragraphs before the compliance by:

It shall not be possible for

- d.c. plugs to enter a.c. socket-outlets, nor a.c. plugs to enter d.c. socket-outlets;
- plugs to enter socket-outlets of any other plug and socket-outlet system;
- plugs to be able to enter socket-outlets of other voltage ratings.

10 Protection against electric shock

This clause of Part 1 is applicable, except as follows:

10.2 Replacement of words "given in 10.2.1 or 10.2.2 are fulfilled" by "given in 10.2.1 are fulfilled."

- **10.2.2** This subclause is not applicable.
- **10.3** This subclause is not applicable.
- **10.4** This subclause is not applicable.
- **10.5** This subclause is not applicable.
- **10.6** This subclause is not applicable.
- **10.7** This subclause is not applicable.

11 Provision for earthing

This clause of Part 1 is not applicable.

12 Terminals and terminations

This clause of Part 1 is applicable, except as follows. PREVIEW **12.2.1** Replacement of Table 3 by the following new table:

Table 3 – Relationship between rated current and connectable nominal cross-sectional areas of copper conductors

Current and type of the accessory	Rigid (solid or stranded) copper conductors		Flexible copper conductors	
	Nominal cross- sectional area	Diameter of the largest conductor	Nominal cross- sectional area	Diameter of the largest conductor
	mm²	mm	mm²	mm
16 A 2P (fixed accessory)	From 1,5 up to 2 × 2,5 inclusive	2,13	From 1,5 up to $2 \times 2,5$ inclusive	2,21
16 A 2P (portable accessory)	-	-	From 0,75 up to 1,5 inclusive	1,73

12.2.10 This subclause is not applicable.

12.3.12 Replacement of Table 11 by the following new table:

Table 11 – Nominal cross-sectional areas of rigid copper conductors for the deflection test of screwless terminals

Rated current of the socket-outlet	Nominal cross-sectional area of the test conductor		
A	mm ²		
	First test sequence	Second test sequence	
16	1,5	2,5	

13 Construction of fixed socket-outlets

This clause of Part 1 is applicable, except as follows:

13.7.2 Replacement of the last item of the third dashed text by:

• live parts of SELV circuits not greater than 25 V a.c. or 60 V d.c.

13.8 This subclause is not applicable.

13.17 This subclause is not applicable.

13.18 This subclause is not applicable.

13.19 This subclause is not applicable.

Addition:

13.101 Multiple socket-outlets shall consist only of SELV socket-outlets.

Compliance is checked by inspection.

14 Construction of plugs and portable socket-outlets/ IEW

This clause of Part 1 is applicable, except as follows.

14.3 Deletion of the second paragraph. Letter 14:2007

https://standards.iteh.ai/catalog/standards/sist/40749198-4c78-42fc-9e4ef069c72b7428/iec-60884-2-4-2007

14.4 This subclause is not applicable.

14.7 Deletion of the last dashed text.

14.8 This subclause is not applicable.

14.9 This subclause is not applicable.

14.10.1 Deletion of the fourth paragraph.

- **14.10.2** Deletion of the fourth paragraph.
- **14.11** Deletion of the last dashed text.
- **14.15** Deletion of the note.
- **14.21** This subclause is not applicable.
- **14.23** Deletion of the second paragraph.

Replacement of the last paragraph by:

Compliance is checked by the tests of 14.23.1 and 14.23.2.

Deletion of Note 2.

Addition:

14.101 For cord extension sets, the minimum nominal cross-sectional area of cables is

- 1,0 mm² up to and including 2 m length;
- 1,5 mm² over 2 m length.

15 Interlocked socket-outlets

This clause of Part 1 is not applicable.

16 Resistance to ageing, protection provided by the enclosures, and resistance to humidity

This clause of Part 1 is applicable.

17 Insulation resistance and electric strength

This clause of Part 1 is applicable, except as follows:

17.1.1 Deletion of item d) and of the last five words of the second paragraph, i.e. "earthing terminals or earthing contacts". **STANDARD PREVIEW**

17.1.2 Deletion of item c), and in the last paragraph, the words "earthing terminals" and "earthing contacts".

IEC 60884-2-4:2007 **17.2** Replacement of the second paragraph by rds/sist/40749f98-4c78-42fc-9e4ef069c72b7428/iec-60884-2-4-2007

The test voltage shall be 500 V.

18 Operation of earthing contacts

This clause of Part 1 is not applicable.

19 Temperature rise

This clause of Part 1 is applicable, except as follows:

Deletion of the fourth paragraph from the end of the testing specification (starting with "For accessories having three poles").

20 Breaking capacity

This clause of Part 1 is applicable, except as follows:

Deletion of Notes 2 and 3.

Replacement of the text, from the sixth paragraph of the testing specification to the end inclusive, by the following:

The length of the stroke of the test apparatus is between 50 mm and 60 mm.