

PD IEC/TR 61916:2014



BSI Standards Publication

# Electrical accessories — Harmonization of general rules

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**National foreword**

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A list of organizations represented on this committee can be obtained on request to its secretary.

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# RAPPORT TECHNIQUE

**Electrical accessories – Harmonization of general rules**

**Petit appareillage – Harmonisation des règles générales**

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ELECTROTECHNICAL  
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICAL ACCESSORIES –  
HARMONIZATION OF GENERAL RULES**

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The main task of IEC technical committees is to prepare International Standards. However, a technical committee may propose the publication of a technical report when it has collected data of a different kind from that which is normally published as an International Standard, for example "state of the art".

IEC TR 61916, which is a technical report, has been prepared by IEC technical committee 23: Electrical accessories.

This third edition cancels and replaces the second edition published in 2009 and constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:

- a) Modification of "General requirements" to include standard conditions for operation in service and information on ambient temperature range for testing;
- b) Replacement of Clause 14;
- c) Addition of a Clause 15 in UV resistance;
- d) Addition of Annex A on Material selection process.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
23/639/DTR	23/667A/RVC

Full information on the voting for the approval of this technical report 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.

In this technical report, the following print types are used:

- requirements proper: in roman type;
- *test specifications*: in italic type;
- Explanatory matter: in smaller roman type.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website 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.

## INTRODUCTION

The purpose of this Technical Report is to have harmonized rules on the same subjects in all the Standards published by TC 23 and its subcommittees, in order to give coordinated indications to subcommittees when making their standards.

These recommendations are meant as a guide. Consequently, subcommittees, according to their own particularities, may use whole or part of the document which is not meant to be compulsory.

In publishing these recommendations, TC 23 wishes to spread the information so that other committees of the IEC may use these recommendations, if necessary.

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## ELECTRICAL ACCESSORIES – HARMONIZATION OF GENERAL RULES

### 1 Scope

This Technical Report provides guidance on requirements and tests for subjects common to TC 23 and its subcommittees by providing recommendations applicable to electrical accessories that are within the scope of TC 23 and its subcommittees.

### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60112, *Method for the determination of the proof and the comparative tracking indices of solid insulating materials*

IEC 60228, *Conductors of insulated cables*

IEC 60664-1:2007, *Insulation coordination for equipment within low-voltage systems – Part 1: Principles, requirements and tests*

IEC TR 60664-2-1:2011, *Insulation coordination for equipment within low-voltage systems – Part 2-1: Application guide – Explanation of the application of the IEC 60664 series, dimensioning examples and dielectric test results*

IEC 60664-3, *Insulation coordination for equipment within low-voltage systems – Part 3: Use of coating, potting or moulding for protection against pollution*

IEC 60664-4, *Insulation coordination for equipment within low-voltage systems – Part 4: Consideration of high-frequency voltage stress*

IEC 60664-5:2007, *Insulation coordination for equipment within low-voltage systems – Part 5: Comprehensive method for determining clearances and creepage distances equal to or less than 2 mm*

IEC 60695-2-10, *Fire hazard testing – Part 2-10: Glowing/hot-wire based test methods – Glow-wire apparatus and common test procedure*

IEC 60695-2-11:2014, *Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end-products (GWEPT)*

IEC 60695-10-2:2014, *Fire hazard testing – Part 10-2: Abnormal heat – Ball pressure test method*

IEC 60998-1:2002, *Connecting devices for low-voltage circuits for household and similar purposes – Part 1: General requirements*

IEC 60998-2-1:2002, *Connecting devices for low-voltage circuits for household and similar purposes – Part 2-1: Particular requirements for connecting devices as separate entities with screw-type clamping units*