



**SLOVENSKI STANDARD**  
**SIST EN 61534-1:2011/A1:2014**

**01-november-2014**

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**Sistemi napajalnih razvodnic - 1. del: Splošne zahteve - Dopolnilo A1 (IEC 61534-1:2011/A1:2014)**

Powertrack systems - Part 1: General requirements (IEC 61534-1:2011/A1:2014)

Stromschiensysteme - Teil 1: Allgemeine Anforderungen (IEC 61534-1:2011/A1:2014)

Systèmes de conducteurs préfabriqués - Partie 1: Exigences générales (CEI 61534-1:2011/A1:2014)

**STANDARD PREVIEW**  
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**Ta slovenski standard je istoveten z: EN 61534-1:2011/A1:2014**

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**ICS:**

29.060.10	Žice	Wires
29.120.20	Spojni elementi	Connecting devices

**SIST EN 61534-1:2011/A1:2014**      **en**

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EUROPEAN STANDARD

**EN 61534-1:2011/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2014

ICS 29.060.10; 29.120.10

English Version

**Powertrack systems - Part 1: General requirements  
(IEC 61534-1:2011/A1:2014)**

Systèmes de conducteurs préfabriqués - Partie 1:  
Exigences générales  
(CEI 61534-1:2011/A1:2014)

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(IEC 61534-1:2011/A1:2014)

This amendment A1 modifies the European Standard EN 61534-1:2011; it was approved by CENELEC on 2014-08-04. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## Foreword

The text of document 23A/700A/FDIS, future IEC 61534-1:2011/A1, has been prepared by subcommittee 23A: Cable management systems, of IEC technical committee 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61534-1:2011/A1:2014.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-05-04
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-08-04

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

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The text of the International Standard IEC 61534-1:2011/A1:2014 was approved by CENELEC as a European Standard without any modification.

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IEC 61534-1

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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

Powertrack systems – **STANDARD PREVIEW**  
Part 1: General requirements  
(standards.iteh.ai)

Systèmes de conducteurs préfabriqués –  
Partie 1: Exigences générales  
<https://standards.iteh.ai/catalog/standards/sist/31be200c-9f34-4164-bb28-1f1bcb759375/sist-en-61534-1-2011-a1-2014>

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## FOREWORD

This amendment has been prepared by subcommittee 23A: Cable management systems, of IEC technical committee 23: Electrical accessories.

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

FDIS	Report on voting
23A/700A/FDIS	23A/706/RVD

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability 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.

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## 1 Scope

1.1 *Replace, in the existing paragraph, "50 Hz/60 Hz" by "50 Hz or 60 Hz".*

## 3 Terms and definitions

*Add the following two new definitions:*

### 3.54

#### **dry-treatment of floor**

process for cleaning and/or care by which the floor is treated without liquids or with only a small quantity of liquid such that no pools or soaking of the floor covering occurs

EXAMPLE Sweeping with a broom or carpet-sweeper, vacuum cleaning, brushing, cleaning with a dry cleaning powder, dry shampoo treatment, wet shampooing of carpets, treatment with cleaning litter (liquid chemical cleaning agent on a solid material used as carrier, e.g. soaked sawdust, damp cloth, etc.).

### 3.55

#### **wet-treatment of floor**

process for cleaning and/or care by which the floor is treated with liquid agents such that pools of liquid, or soaking of the floor covering for a brief period of time, cannot be excluded

EXAMPLE Wet scrubbing, manual or mechanical wiping.

## 8 Marking and documentation

**8.8** *In the existing second paragraph, add "cotton" before "cloth" and "or 95+% n-hexane" after "petroleum spirit".*

*Add, after the existing notes, the following new Note 4:*

NOTE 4 95+% n-hexane (Chemical Abstracts Service Registry Number, CAS RN, 110-54-3) is available from a variety of chemical suppliers as a high pressure liquid chromatography (HPLC) solvent.

### Table 1 – Pull and torque values for tests on cord anchorages

*Replace, in the existing first column heading, the unit "Mm<sup>2</sup>" by "mm<sup>2</sup>".*

#### 11.1 Access to live parts

**11.1.2** *Replace, in the existing second paragraph, "11.3.1" by "11.3.3".*

#### 11.3 Effectiveness of protective circuit continuity

**11.3.1** *Replace, in the existing second paragraph, "frequency of 50 Hz to 60 Hz" by "nominal frequency of 50 Hz or 60 Hz".*

**11.3.2** *Replace, in the existing first paragraph, "frequency of 50 Hz to 60 Hz" by "nominal frequency of 50 Hz or 60 Hz".*

*Add the following new subclause 11.3.3:*

**11.3.3** The effectiveness of the connection of the exposed conductive parts to the protective circuit shall be measured as follows:

A current of  $(25 \pm 1)$  A a.c. having a nominal frequency of 50 Hz or 60 Hz supplied by a source with a no-load voltage not exceeding 12 V shall be passed between the exposed conductive part and the point on the protective circuit which is nearest to the exposed conductive part.

Measurement of the voltage drop shall be made within 120 s after the initiation of the current flow.

The impedance calculated from the measurement of the voltage drop between the two points stated shall not exceed 50 m $\Omega$ .

## 13 Screws, current carrying parts and connections

**13.5** *Replace the existing first paragraph by the following new paragraph:*

**13.5** Parts designed for carrying current including busbars, terminals and earthing terminals shall be of a material having, under the conditions occurring in the PT system, adequate mechanical strength and resistance to corrosion.

*Add, at the start of the existing list, the following two new dashed items:*

- aluminium;
- brass;

## 21.1 Resistance to corrosion

**21.1.3** *Replace the existing second paragraph by the following new paragraph:*

After degreasing the sample is submitted to a salt mist treatment according to IEC 60068-2-52 except for Clauses 7 and 10 which are not applicable. The test is carried out using severity (2).

## Annex H

*Delete Annex H.*

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