

SLOVENSKI STANDARD

SIST EN 61534-22:2014

01-oktober-2014

Nadomešča:

SIST EN 61534-22:2009

Sistemi napajalnih razvodnic - 22. del: Posebne zahteve za sisteme napajalnih razvodnic, predvidene za montažo na podu ali pod njim (IEC 61534-22:2014)

Powertrack systems - Part 22: Particular requirements for powertrack systems intended for on floor or under floor installation

Stromschienensysteme - Teil 22: Besondere Anforderungen für Stromschienensysteme für Fußbodeninstallationen

Systèmes de conducteurs préfabriqués - Partie 22: Exigences particulières pour les systèmes de conducteurs préfabriqués destinés au montage sur le sol ou en sous-sol

Ta slovenski standard je istoveten z: EN 61534-22:2014

ICS:

29.060.10	Žice	Wires
29.120.20	Spojni elementi	Connecting devices

SIST EN 61534-22:2014

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61534-22

August 2014

ICS 29.120.20; 29.060.10

Supersedes EN 61534-22:2009

English Version

**Powertrack systems - Part 22: Particular requirements for
powertrack systems intended for onfloor or underfloor installation
(IEC 61534-22:2014)**

Systèmes de conducteurs préfabriqués - Partie 22:
Exigences particulières pour les systèmes de conducteurs
préfabriqués destinés au montage sur le sol ou sous le sol
(CEI 61534-22:2014)

Stromschienensysteme - Teil 22: Besondere Anforderungen
für Stromschienensysteme für Fußbodeninstallationen
(IEC 61534-22:2014)

This European Standard was approved by CENELEC on 2014-07-24. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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 European Standard 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.

SIST EN 61534-22:2014

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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/702/FDIS, future edition 2 of IEC 61534-22, prepared by SC 23A "Cable management systems", of IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61534-22:2014.

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) 2015-04-24
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-07-24

This document supersedes EN 61534-22:2009.

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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Endorsement notice

The text of the International Standard IEC 61534-22:2014 was approved by CENELEC as a European Standard without any modification.

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61534-1 + A1	2011 2014	Powertrack systems - Part 1: General requirements	EN 61534-1 + A1	2011 2014

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Edition 2.0 2014-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Powertrack systems –

Part 22: Particular requirements for powertrack systems intended for onfloor or underfloor installation

Systèmes de conducteurs préfabriqués –

Partie 22: Exigences particulières pour les systèmes de conducteurs préfabriqués destinés au montage sur le sol ou sous le sol

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

POWERTRACK SYSTEMS –

Part 22: Particular requirements for powertrack systems intended for onfloor or underfloor installation

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.
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- 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 61534-22 has been prepared by subcommittee 23A: Cable management systems, of IEC Technical Committee 23: Electrical accessories.

This second edition cancels and replaces the first edition published in 2009. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- Clauses 18 to 22 have been adapted to IEC 61534-1:2011 and include short-circuit test requirements;
- addition of a new (500 N) classification for the resistance to traffic load applied to small surface areas on a flushfloor service unit;

- addition of a new classification for the non-automatic closing of the lid on flushfloor service units and appropriate tests;
- addition of tests for floor service units declared for use when a floor is wet-treated.

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

FDIS	Report on voting
23A/702/FDIS	23A/708/RVD

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 standard is to be used in conjunction with IEC 61534-1:2011, *Powertrack systems – Part 1: General requirements*.

This Part 22 supplements or modifies the corresponding clauses of IEC 61534-1. Where a particular clause or subclause of IEC 61534-1:2011 is not mentioned in this Part 22, that clause or subclause applies as far as is reasonable. Where this Part 22 states "*addition*" or "*replacement*", the relevant text of IEC 61534-1:2011 is to be adapted accordingly.

Subclauses, tables and figures which are in addition to those in IEC 61534-1:2011 are numbered starting with 101.

A list of all parts of IEC 61534 series, published under the general title *Powertrack systems*, can be found on the IEC website.

[SIST EN 61534-22:2014](https://standards.iteh.ai/catalog/standards/sist/d539b8ba-9bf8-4d11-a639-bc55-42d411/sist-en-61534-22-2014)

The following differences exist in the countries indicated below:

Subclause 7.105.2: In the United Kingdom, this classification is not permitted.

The committee has decided that the contents of this 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.

POWERTRACK SYSTEMS –

Part 22: Particular requirements for powertrack systems intended for onfloor or underfloor installation

1 Scope

Clause 1 of IEC 61534-1:2011 and IEC 61534-1:2011/AMD1:2014 is applicable except as follows:

1.1 Addition:

This part of IEC 61534 specifies the particular requirements and tests for PT systems intended for mounting on, or under the floor level and floor service units which are mounted on the floor, under the floor or flush with the floor.

NOTE 1 Types and applications are shown in Figures AA.1a, AA.1b and AA.2

NOTE 2 Flushfloor PT systems, with the exception of flushfloor service units, are not covered by this standard.

2 Normative references

Clause 2 of IEC 61534-1:2011 is applicable except as follows:

Addition:

[SIST EN 61534-22:2014](https://standards.iteh.ai/catalog/standards/sist/d539b8ba-9bf8-4d11-a639-9e5542614f1e/iec-61534-22-2014)

[https://standards.iteh.ai/catalog/standards/sist/d539b8ba-9bf8-4d11-a639-](https://standards.iteh.ai/catalog/standards/sist/d539b8ba-9bf8-4d11-a639-9e5542614f1e/iec-61534-22-2014)

IEC 61534-1:2011, *Powertrack systems – Part 1: General requirements*

IEC 61534-1:2011/AMD1:2014

3 Terms and definitions

Clause 3 of IEC 61534-1:2011 and IEC 61534-1:2011/AMD1:2014 is applicable except as follows:

Additional terms and definitions:

3.101

underfloor PT system

PT system whose components, except flushfloor service units, are intended for installation beneath the finished floor and in normal use are not exposed to traffic loads

Examples are shown in Figures AA.1a and AA.1b

3.102

onfloor PT system

PT system whose components are mounted on the floor surface

An example is shown in Figure AA.2.