



SLOVENSKI STANDARD

SIST EN 61534-21:2007

01-januar-2007

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Powertrack systems -- Part 21: Particular requirements for powertrack systems intended for wall and ceiling mounting

Stromschienensysteme - Teil 21: Besondere Anforderungen für Stromschienensysteme für Wand und Decke

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Systèmes de conducteurs préfabriqués -- Partie 21: Exigences particulières pour les systèmes de conducteurs préfabriqués destinés au montage sur des murs et des plafonds

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Ta slovenski standard je istoveten z: EN 61534-21:2006

ICS:

29.060.10	Žice	Wires
29.140.50	Instalacijski sistemi za razsvetljavo	Lighting installation systems

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en,fr,de

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Powertrack systems
Part 21: Particular requirements for powertrack systems
intended for wall and ceiling mounting
(IEC 61534-21:2006)

Systèmes de conducteurs préfabriqués
Partie 21: Exigences particulières
pour les systèmes de conducteurs
préfabriqués destinés au montage
sur des murs et des plafonds
(CEI 61534-21:2006)

Stromschiensysteme
Teil 21: Besondere Anforderungen
für Stromschiensysteme
für Wand und Decke
(IEC 61534-21:2006)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 23A/495/FDIS, future edition 1 of IEC 61534-21, prepared by SC 23A, Cable management systems, of IEC TC 23, Electrical accessories, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61534-21 on 2006-09-01.

This standard is to be used in conjunction with EN 61534-1:2003, *Powertrack systems - Part 1: General requirements*.

This Part 21 supplements or modifies the corresponding clauses of EN 61534-1. Where a particular clause or subclause of Part 1 is not mentioned in this Part 21, that clause or subclause applies as far as is reasonable. Where this Part 21 states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

Subclauses, tables and figures which are in addition to those in Part 1 are numbered starting from 101.

NOTE The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2007-06-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-09-01

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Endorsement notice

The text of the International Standard IEC 61534-21:2006 was approved by CENELEC as a European Standard without any modification.

NORME
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INTERNATIONAL
STANDARD

CEI
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61534-21

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Systèmes de conducteurs préfabriqués –

Partie 21:

**Exigences particulières pour les systèmes
de conducteurs préfabriqués destinés
au montage sur des murs et des plafonds**

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Powertrack systems –

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Part 21:

**Particular requirements for powertrack systems
intended for wall and ceiling mounting**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

POWERTRACK SYSTEMS –

**Part 21: Particular requirements for powertrack systems
intended for wall and ceiling mounting**

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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International Standard IEC 61534-21 has been prepared by subcommittee 23A: Cable management systems, of IEC technical committee 23: Electrical accessories.

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

FDIS	Report on voting
23A/495/FDIS	23A/499/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 61534-1:2003, *Powertrack systems – Part 1: General requirements*.

This Part 21 supplements or modifies the corresponding clauses of IEC 61534-1. Where a particular clause or subclause of Part 1 is not mentioned in this Part 21, that clause or subclause applies as far as is reasonable. Where this Part 21 states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

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- *test specifications: in italic type;*
- notes: in small roman type.

IEC 61534 consist of the following parts, under general title *Powertrack systems*.

Part 1: General requirements

Part 21: Particular requirements for powertrack systems intended for wall and ceiling mounting

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

Other parts are still under consideration.

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.

POWERTRACK SYSTEMS –

Part 21: Particular requirements for powertrack systems intended for wall and ceiling mounting

1 Scope

This clause of Part 1 is applicable with the following addition:

1.1 Add the following paragraph:

This standard specifies the particular requirements and tests for PT systems intended for mounting on walls and/or ceiling. They may be installed flush or semi-flush, surface mounted, suspended or spaced away from the surface using fixing devices.

2 Normative references

This clause of Part 1 is applicable.

3 Terms and definitions

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For the purpose of this document, the following additional definitions apply.

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3.101

wall PT system

PT system which is suitable for mounting on a vertical surface. The system may be mounted directly or with the use of fixing devices

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3.102

ceiling PT system

PT system which is suitable for mounting or suspending beneath a horizontal surface or structure

3.103

fixing devices

system component used for the mechanical connection of the PT system to the supporting structure

3.104

external load

mechanical load applied from outside to the PT system not due to the mass of the system components

4 General requirements

This clause of Part 1 is applicable.