



NSAI
Standards

Irish Standard
I.S. EN 61534-21:2014

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

I.S. EN 61534-21:2014

Incorporating amendments/corrigenda/National Annexes issued since publication:

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This document is based on:

EN 61534-21:2014

Published:

2014-08-22

This document was published under the authority of the NSAI and comes into effect on:

2014-09-12

ICS number:

29.060.10

29.120.20

NOTE: If blank see CEN/CENELEC cover page

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EUROPEAN STANDARD

EN 61534-21

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2014

ICS 29.060.10; 29.120.20

Supersedes EN 61534-21:2006

English Version

**Powertrack systems - Part 21: Particular requirements for
powertrack systems intended for wall and ceiling mounting
(IEC 61534-21:2014)**

Systèmes de conducteurs préfabriqués - Partie 21:
Exigences particulières pour les systèmes de conducteurs
préfabriqués destinés au montage sur des murs et des
plafonds
(CEI 61534-21:2014)

Stromschienensysteme - Teil 21: Besondere Anforderungen
für Stromschienensysteme für Wand und Decke
(IEC 61534-21:2014)

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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.

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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/701/FDIS, future edition 2 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 approved by CENELEC as EN 61534-21:2014.

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-07-24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 61534-21:2006.

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).

Endorsement notice

The text of the International Standard IEC 61534-21:2014 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	2011	Powertrack systems -	EN 61534-1	2011
+ A1	2014	Part 1: General requirements	+ A1	2014

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IEC 61534-21

Edition 2.0 2014-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

**Systemes 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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IEC 61534-21

Edition 2.0 2014-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Powertrack systems –

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

Systèmes de conducteurs préfabriqués –

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

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX



ICS 29.060.10, 29.120.20

ISBN 978-2-8322-1642-2

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

POWERTRACK SYSTEMS –

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

FOREWORD

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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.

This second edition cancels and replaces the first edition published in 2006 and 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;
- Additional classification, terms and requirements for wall powertrack (PT) systems mounted at the skirting level (close to the floor) position.

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

FDIS	Report on voting
23A/701/FDIS	23A/707/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 21 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 21, that clause or subclause applies as far as is reasonable. Where this Part 21 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 in the IEC 61534 series, published under the general title *Powertrack systems*, can be found on the IEC website.

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

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 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

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

Addition:

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

wall PT system

PT system which is suitable for mounting on a vertical surface or a vertical structure directly or with the use of fixing devices

3.102

ceiling PT system

PT system which is suitable for mounting or suspending beneath a horizontal surface or horizontal structure directly or with the use of fixing devices

3.103

fixing devices

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

3.104

external load

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

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