



**NSAI**  
Standards

Irish Standard  
I.S. EN 60204-32:2008

Safety of machinery - Electrical  
equipment of machines -- Part 32:  
Requirements for hoisting machines  
(IEC 60204-32:2008 (EQV))

## I.S. EN 60204-32:2008

*Incorporating amendments/corrigenda issued since publication:*

<i>This document replaces:</i> I.S. EN 60204-32:1999	<i>This document is based on:</i> EN 60204-32:2008 EN 60204-32:1998	<i>Published:</i> 5 September, 2008 21 May, 1999	
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English version

**Safety of machinery -  
Electrical equipment of machines -  
Part 32: Requirements for hoisting machines  
(IEC 60204-32:2008)**

Sécurité des machines -  
Équipement électrique des machines -  
Partie 32: Exigences  
pour les appareils de levage  
(CEI 60204-32:2008)

Sicherheit von Maschinen -  
Elektrische Ausrüstung von Maschinen -  
Teil 32: Anforderungen  
für Hebezeuge  
(IEC 60204-32:2008)

This European Standard was approved by CENELEC on 2008-07-01. 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 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, Bulgaria, 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**

## I.S. EN 60204-32:2008

EN 60204-32:2008

- 2 -

### Foreword

The text of document 44/574/FDIS, future edition 2 of IEC 60204-32, prepared by IEC TC 44, Safety of machinery - Electrotechnical aspects, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60204-32 on 2008-07-01.

This European Standard supersedes EN 60204-32:1998.

EN 60204-32:2008 includes the following significant technical changes with respect to EN 60204-32:1998.

a) Changes to EN 60204-1:2006 have been incorporated, especially:

- deletion of Clause 11 of EN 60204-1:1997;
- modification of the structure of equipotential bonding (Clause 8);
- separation of control functions (Clause 9) and devices (Clause 10);
- structure of technical documentation (Clause 17);
- verification of protection by automatic disconnection of supply (18.2).

b) Subclause 9.2.7 on cableless controls has been modified.

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) 2009-04-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2011-07-01

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directives 98/37/EC and 2006/42/EC. See Annex ZZ.

Annexes ZA and ZZ have been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60204-32:2008 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60038	NOTE	Harmonized as HD 472 S1:1989 (modified).
IEC 60204-11	NOTE	Harmonized as EN 60204-11:2000 (not modified).
IEC 60204-31	NOTE	Harmonized as EN 60204-31:1998 (modified).
IEC 60228	NOTE	Harmonized as EN 60228:2005 (not modified).
IEC 60269-1	NOTE	Harmonized as EN 60269-1:2007 (not modified).
IEC 60320-1	NOTE	Harmonized as EN 60320-1:2001 (not modified).
IEC 60335	NOTE	Harmonized in EN 60335 series (partially modified).
IEC 60364	NOTE	Harmonized in EN/HD 60364 series (modified).
IEC 60870-5-1	NOTE	Harmonized as EN 60870-5-1:1993 (not modified).
IEC 60898	NOTE	Harmonized in EN 60898 series (modified).
IEC 60909	NOTE	Harmonized in EN 60909 series (not modified).
IEC 60947-5-2	NOTE	Harmonized as EN 60947-5-2:2007 (not modified).
IEC 61000-6-1	NOTE	Harmonized as EN 61000-6-1:2007 (not modified).
IEC 61000-6-2	NOTE	Harmonized as EN 61000-6-2:2005 (not modified).
IEC 61000-6-3	NOTE	Harmonized as EN 61000-6-3:2007 (not modified).
IEC 61000-6-4	NOTE	Harmonized as EN 61000-6-4:2007 (not modified).
IEC 61180-2	NOTE	Harmonized as EN 61180-2:1994 (not modified).
IEC 61496-1	NOTE	Harmonized as EN 61496-1:2004 (modified).
IEC 61557	NOTE	Harmonized in EN 61557 series (not modified).
IEC 61558-2-17	NOTE	Harmonized as EN 61558-2-17:1997 (not modified).
IEC 61800	NOTE	Harmonized in EN 61800 series (not modified).
IEC 61984	NOTE	Harmonized as EN 61984:2001 (not modified).
IEC 62305	NOTE	Harmonized in EN 62305 series (not modified).
ISO 14122-1	NOTE	Harmonized as EN ISO 14122-1:2001 (not modified).
ISO 14122-2	NOTE	Harmonized as EN ISO 14122-2:2001 (not modified).
ISO 14122-3	NOTE	Harmonized as EN ISO 14122-3:2001 (not modified).

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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60034-1	- <sup>1)</sup>	Rotating electrical machines - Part 1: Rating and performance	EN 60034-1	2004 <sup>2)</sup>
IEC 60034-5	- <sup>1)</sup>	Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) - Classification	EN 60034-5	2001 <sup>2)</sup>
IEC 60034-11	- <sup>1)</sup>	Rotating electrical machines - Part 11: Thermal protection	EN 60034-11	2004 <sup>2)</sup>
IEC 60068-2-27	1987	Basic environmental testing procedures - Part 2: Tests - Test Ea and guidance: Shock	EN 60068-2-27	1993
IEC 60068-2-32 + A2	1975 1990	Environmental testing - Part 2: Tests. Test Ed: Free fall	EN 60068-2-32	1993
IEC 60072-1	- <sup>1)</sup>	Dimensions and output series for rotating electrical machines - Part 1: Frame numbers 56 to 400 and flange numbers 55 to 1 080	-	-
IEC 60072-2	- <sup>1)</sup>	Dimensions and output series for rotating electrical machines - Part 2: Frame numbers 355 to 1 000 and flange numbers 1 180 to 2 360	-	-
IEC 60073	- <sup>1)</sup>	Basic and safety principles for man-machine interface, marking and identification - Coding principles for indicators and actuators	EN 60073	2002 <sup>2)</sup>
IEC 60309-1	- <sup>1)</sup>	Plugs, socket-outlets and couplers for industrial purposes - Part 1: General requirements	EN 60309-1 + A11	1999 <sup>2)</sup> 2004
IEC 60332	Series	Tests on electric and optical fibre cables under fire conditions	EN 60332	Series
IEC 60364-1 (mod)	- <sup>1)</sup>	Low-voltage electrical installations - Part 1: Fundamental principles, assessment of general characteristics, definitions	HD 60364-1	2008 <sup>2)</sup>
IEC 60364-4-41 (mod)	2005	Low-voltage electrical installations - Part 4-41: Protection for safety - Protection against electric shock	HD 60364-4-41 + corr. July	2007 2007
IEC 60364-4-42	2001	Electrical installations of buildings - Part 4-42: Protection for safety - Protection against thermal effects	-	-

<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

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