



BSI Standards Publication

Safety of machinery — Electrical equipment of machines

Part 32: Requirements for hoisting machines

This is a preview of BS EN IEC 60204-32:2025. [Click here to purchase the full version from the ANSI store.](#)

National foreword

This British Standard is the UK implementation of EN IEC 60204-32:2025. It is identical to IEC 60204-32:2023. It supersedes BS EN 60204-32:2008, which will be withdrawn on 31 May 2028.

The UK participation in its preparation was entrusted to Technical Committee MCE/3, Safeguarding of machinery.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
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EUROPÄISCHE NORM

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Supersedes EN 60204-32:2008

English Version

Safety of machinery - Electrical equipment of machines -
Part 32: Requirements for hoisting machines
(IEC 60204-32:2023)

Sécurité des machines - Équipement électrique des
machines - Partie 32: Exigences pour les appareils de
levage
(IEC 60204-32:2023)

Sicherheit von Maschinen - Elektrische Ausrüstung von
Maschinen - Teil 32: Anforderungen für Hebezeuge
(IEC 60204-32:2023)

This European Standard was approved by CENELEC on 2024-10-16. 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.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

The text of document 44/1000/FDIS, future edition 3 of IEC 60204-32, prepared by TC 44 "Safety of machinery - Electrotechnical aspects" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60204-32:2025.

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) 2026-05-31
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2028-05-31

This document supersedes EN 60204-32:2008 and all of its amendments and corrigenda (if any).

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Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 60204-32:2023 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 standard indicated:

IEC 60034 (series)	NOTE	Approved as EN IEC 60034 (series)
IEC 60038	NOTE	Approved as EN 60038
IEC 60085	NOTE	Approved as EN 60085
IEC 60204-11	NOTE	Approved as EN IEC 60204-11
IEC 60216 (series)	NOTE	Approved as EN 60216 (series)
IEC 60228	NOTE	Approved as EN IEC 60228
IEC 60269-1	NOTE	Approved as EN 60269-1
IEC 60320-1	NOTE	Approved as EN IEC 60320-1
IEC 60332 (series)	NOTE	Approved as EN IEC 60332 (series)
IEC 60364-4-44	NOTE	Approved as HD 60364-4-442
IEC 60364-7-729	NOTE	Approved as HD 60364-7-729
IEC 60447	NOTE	Approved as EN 60447
IEC 60757	NOTE	Approved as EN IEC 60757
IEC 60898 (series)	NOTE	Approved as EN IEC 60898 (series)

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IEC 60947-5-8	NOTE	Approved as EN IEC 60947-5-8
IEC 61000-6-1	NOTE	Approved as EN IEC 61000-6-1
IEC 61000-6-2	NOTE	Approved as EN IEC 61000-6-2
IEC 61000-6-3	NOTE	Approved as EN IEC 61000-6-3
IEC 61000-6-4	NOTE	Approved as EN IEC 61000-6-4
IEC 61000-6-8	NOTE	Approved as EN IEC 61000-6-8
IEC 61084 (series)	NOTE	Approved as EN IEC 61084 (series)
IEC 61180	NOTE	Approved as EN 61180
IEC 61557-8	NOTE	Approved as EN 61557-8
IEC 61557-9	NOTE	Approved as EN 61557-9
IEC 61557-14	NOTE	Approved as EN IEC 61557-14
IEC 61643-12	NOTE	Approved as CLC/TS 61643-12
IEC 61666	NOTE	Approved as EN 61666
IEC 61800 (series)	NOTE	Approved as EN 61800 (series)
IEC 62020-1	NOTE	Approved as EN IEC 62020-1
IEC 62305 (series)	NOTE	Approved as EN IEC 62305 (series)
IEC 62491	NOTE	Approved as EN 62491
ISO 13732-1	NOTE	Approved as EN ISO 13732-1
ISO 13851	NOTE	Approved as EN ISO 13851
ISO 14118	NOTE	Approved as EN ISO 14118

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(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where 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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60034-1	2017	Rotating electrical machines - Part 1: Rating and performance	-	-
IEC 60034-5	-	Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) - Classification	EN IEC 60034-5	-
IEC 60034-11	-	Rotating electrical machines - Part 11: Thermal protection	EN IEC 60034-11	-
IEC 60068-2-27	2008	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock	EN 60068-2-27	2009
IEC 60068-2-31	2008	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens	EN 60068-2-31	2008
IEC 60072-1	-	Rotating electrical machines - Dimensions and output series - Part 1: Frame numbers 56 to 400 and flange numbers 55 to 1080	EN IEC 60072-1	-
IEC 60072-2	-	Dimensions and output series for rotating electrical machines - Part 2: Frame numbers 355 to 1000 and flange numbers 1180 to 2360	-	-
IEC 60072-3	-	Dimensions and output series for rotating electrical machines - Part 3: Small built-in motors - Flange numbers BF10 to BF50	-	-
IEC 60073	2002	Basic and safety principles for man-machine interface, marking and identification - Coding principles for indicators and actuators	EN 60073	2002
IEC 60309-1	-	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes - Part 1: General requirements	EN IEC 60309-1	-
IEC 60364-1 (mod)	2005	Low-voltage electrical installations - Part 1: Fundamental principles, assessment of general characteristics, definitions	HD 60364-1	2008
-	-		+ A11	2017

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IEC 60364-4-41 (mod)	2005	Low-voltage electrical installations - Part 4-41: Protection for safety - Protection against electric shock	HD 60364-4-41	2017
+ A1	2017		-	-
-	-		+ A11	2017
-	-		+ A12	2019
IEC 60364-4-43 (mod)	2008	Low-voltage electrical installations - Part 4-43: Protection for safety - Protection against overcurrent	HD 60364-4-43	2010
IEC 60364-5-52 (mod)	2009	Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems	HD 60364-5-52	2011
-	-		+ A11	2017
-	-		+ A12	2022
IEC 60364-5-53	2019	Low-voltage electrical installations -- Part 5- 53: Selection and erection of electrical equipment - Protection, isolation, switching, control and monitoring	-	-
IEC 60364-5-54	2011	Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - Earthing arrangements and protective conductors	HD 60364-5-54	2011
-	-		+ A11	2017
IEC 60364-6	2016	Low voltage electrical installations - Part 6: Verification	HD 60364-6	2016
-	-		+ A11	2017
-	-		+ A12	2017
IEC 60417	-	Graphical symbols for use on equipment. Index, survey and compilation of the single sheets.	-	-
IEC 60445	2021	Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors	EN IEC 60445	2021
IEC 60529	-	Degrees of protection provided by enclosures (IP Code)	-	-
IEC 60664-1	-	Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests	EN IEC 60664-1	-
IEC 60947-1	-	Low-voltage switchgear and controlgear - Part 1: General rules	EN IEC 60947-1	-
IEC 60947-2	2016	Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	EN 60947-2	2017
IEC 60947-3	-	Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch- disconnectors and fuse-combination units	EN IEC 60947-3	-

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IEC 60947-4-1	2018	Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters	EN IEC 60947-4-1	2019
IEC 60947-5-1	2016	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices	EN 60947-5-1	2017
IEC 60947-5-5	-	Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function	EN 60947-5-5	-
IEC 60947-6-2	-	Low-voltage switchgear and controlgear - Part 6-2: Multiple function equipment - Control and protective switching devices (or equipment) (CPS)	EN IEC 60947-6-2	-
IEC 61140	-	Protection against electric shock - Common aspects for installation and equipment	EN 61140	-
IEC 61204-7	-	Low-voltage switch mode power supplies - Part 7: Safety requirements	EN IEC 61204-7	-
IEC 61310	series	Safety of machinery - Indication, marking and actuation	EN 61310	series
IEC 61439-1	-	Low-voltage switchgear and controlgear assemblies - Part 1: General rules	EN IEC 61439-1	-
IEC 61557-3	-	Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 3: Loop impedance	EN IEC 61557-3	-
IEC 61558-1	-	Safety of transformers, reactors, power supply units and combinations thereof - Part 1: General requirements and tests	EN IEC 61558-1	-
IEC 61558-2-2	-	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-2: Particular requirements and tests for control transformers and power supply units incorporating control transformers	EN IEC 61558-2-2	-
IEC 61558-2-6	-	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers for general applications	EN IEC 61558-2-6	-
IEC 61558-2-16	-	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units for general applications	EN IEC 61558-2-16	-

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IEC 61800-3	-	Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods for PDS and machine tools	EN IEC 61800-3	-
IEC 61800-5-1	-	Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy	EN IEC 61800-5-1	-
IEC 61800-5-2	-	Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional	EN 61800-5-2	-
IEC 61984	-	Connectors - Safety requirements and tests	EN 61984	-
IEC 62023	-	Structuring of technical information and documentation	EN 62023	-
IEC 62061	-	Safety of machinery - Functional safety of safety-related control systems	EN IEC 62061	-
IEC 62745	2017	Safety of machinery - Requirements for cableless control systems of machinery	EN 62745	2017
-	-		+ A11	2020
ISO 7010	-	Graphical symbols_- Safety colours and safety signs_- Registered safety signs	-	-
ISO 12100	2010	Safety of machinery - General principles for design - Risk assessment and risk reduction	EN ISO 12100	2010
ISO 13849-1	-	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design	EN ISO 13849-1	-
ISO 13849-2	-	Safety of machinery - Safety-related parts of control systems - Part 2: Validation	EN ISO 13849-2	-
ISO 13850	2015	Safety of machinery - Emergency stop function - Principles for design	EN ISO 13850	2015
ISO 13857	-	Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs	EN ISO 13857	-

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