
Železniške naprave - Vozna sredstva - Baterije za pomožne močnostne napajalne sisteme - 5. del: Litij-ionske baterije

Railway applications - Rolling stock - Batteries for auxiliary power supply systems - Part 5: Lithium-ion batteries

Bahnanwendungen - Fahrzeuge - Batterien für Bordnetzversorgungssysteme – Teil 5: Lithium-Ionen Batterien

Applications ferroviaires - Matériel roulant - Batteries pour systèmes d'alimentation auxiliaire - Partie 5: Batteries lithium-ion

Ta slovenski standard je istoveten z: prEN IEC 62973-5:2025

[oSIST prEN IEC 62973-5:2025](https://standards.iteh.ai/catalog/standards/sist/c561d63b-412b-42ac-8495-7c286160e8cc/osist-pr-en-iec-62973-5-2025)

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ICS:

29.220.20	Kislinski sekundarni členi in baterije	Acid secondary cells and batteries
45.060.01	Železniška vozila na splošno	Railway rolling stock in general

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EUROPEAN STANDARD
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English Version

**Railway applications - Rolling stock - Batteries for auxiliary
power supply systems - Part 5: Lithium-ion batteries
(IEC 62973-5:2023)**

Applications ferroviaires - Matériel roulant - Batteries pour
systèmes d'alimentation auxiliaire - Partie 5: Batteries
lithium-ion
(IEC 62973-5:2023)

Bahnanwendungen - Fahrzeuge - Batterien für
Bordnetzversorgungssysteme - Teil 5: Lithium-Ionen
Batterien
(IEC 62973-5:2023)

This draft European Standard is submitted to CENELEC members for enquiry.
Deadline for CENELEC: 2026-01-02.

The text of this draft consists of the text of IEC 62973-5:2023.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CENELEC in three official versions (English, French, German).
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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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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

prEN IEC 62973-5:2025 (E)**European foreword**

This document (prEN IEC 62973-5:2025) consists of the text of IEC 62973-5:2023 prepared by IEC/TC 9 "Electrical equipment and systems for railways".

This document is currently submitted to the Enquiry.

The following dates are proposed:

- latest date by which the existence of this document has (doa) dav+ 6 months
to be announced at national level
- latest date by which this document has to be (dop) dav+ 12 months
implemented at national level by publication of an
identical national standard or by endorsement
- latest date by which the national standards conflicting (dow) dav+ 36 months
with this document have to be withdrawn (to be confirmed or
modified when voting)

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<https://standards.iteh.ai/catalog/standards/sist/c564d63b-d12b-42ac-8495-7e286160e8ee/osist-pren-iec-62973-5-2025>

Annex ZA

(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.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60077-1	2017	Railway applications - Electric equipment for rolling stock - Part 1: General service conditions and general rules	EN 60077-1	2017
IEC 62498-1	2010	Railway applications - Environmental conditions for equipment - Part 1: Equipment on board rolling stock	-	-
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+ AC	1993
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013
IEC 62619	2022	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications	EN IEC 62619	2022
IEC 62620	2014	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for use in industrial applications	EN 62620	2015
IEC 62928	2017	Railway applications - Rolling stock - Onboard lithium-ion traction batteries	EN IEC 62928	2018
IEC 62973-1	2018	Railway applications - Rolling stock - Batteries for auxiliary power supply systems - Part 1: General Requirements	EN IEC 62973-1	— ¹
ISO 7010	2019	Graphical symbols - Safety colours and safety signs - Registered safety signs	EN ISO 7010	-

¹ Under preparation. Stage at the time of publication: prEN IEC 62973-1:2025.

