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BS EN 62864-1:2016



BSI Standards Publication

Railway applications — Rolling stock — Power supply with onboard energy storage system

Part 1: Series hybrid system

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This British Standard is the UK implementation of EN 62864-1:2016. It is identical to IEC 62864-1:2016.

The UK participation in its preparation was entrusted to Technical Committee GEL/9, Railway Electrotechnical Applications.

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

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Amendments/corrigenda issued since publication

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English Version

Railway applications - Rolling stock - Power supply with onboard
energy storage system - Part 1: Series hybrid system
(IEC 62864-1:2016)

Applications ferroviaires - Matériel roulant - Alimentation
équipée d'un système embarqué de stockage de l'énergie -
Partie 1: Système hybride série
(IEC 62864-1:2016)

Bahnanwendungen - Schienenfahrzeuge -
Stromversorgung durch Energiespeichersysteme auf
Schienenfahrzeugen - Teil 1: Serienhybridsystem
(IEC 62864-1:2016)

This European Standard was approved by CENELEC on 2016-07-20. 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.

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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

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The text of document 9/2154/FDIS, future edition 1 of IEC 62864-1, prepared by IEC/TC 9 "Electrical equipment and systems for railways" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62864-1:2016.

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) 2017-05-04
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-11-04

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The text of the International Standard IEC 62864-1:2016 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 60076-10	NOTE	Harmonized as EN 60076-10.
IEC 60077-1	NOTE	Harmonized as EN 60077-1.
IEC 60216-5	NOTE	Harmonized as EN 60216-5.
IEC 60254-1:2005	NOTE	Harmonized as EN 60254-1:2005 (not modified).
IEC 60254-2:2008	NOTE	Harmonized as EN 60254-2:2008 (not modified).
IEC 60310	NOTE	Harmonized as EN 60310.
IEC 60721-3-5	NOTE	Harmonized as EN 60721-3-5.
IEC 62619	NOTE	Harmonized as EN 62619 ¹⁾ .
IEC 62620	NOTE	Harmonized as EN 62620.
IEC 62928	NOTE	Harmonized as EN 62928 ¹⁾ .

¹⁾ At draft stage.

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(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 60050-811	-	International Electrotechnical Vocabulary (IEV) - Chapter 811: Electric traction	-	-
IEC 60349-2	-	Electric traction - Rotating electrical machines for rail and road vehicles - Part 2: Electronic converter-fed alternating current motors	EN 60349-2	-
IEC 60349-4	-	Electric traction - Rotating electrical machines for rail and road vehicles - Part 4: Permanent magnet synchronous electrical machines connected to an electronic converter	EN 60349-4	-
IEC 60529	-	Degrees of protection provided by enclosures (IP Code)	EN 60529	-
IEC 61133	2016	Railway applications - Rolling stock - Testing of rolling stock on completion of construction and before entry into service	-	-
IEC 61287-1	-	Railway applications - Power converters installed on board rolling stock - Part 1: Characteristics and test methods	EN 61287-1	-
IEC 61373	-	Railway applications - Rolling stock equipment - Shock and vibration tests	EN 61373	-
IEC 61377	2016	Railway applications - Rolling stock - Combined test method for traction systems	EN 61377	2016
IEC 61881-3	-	Railway applications - Rolling stock equipment - Capacitors for power electronics - Part 3: Electric double-layer capacitors	EN 61881-3	-
IEC 61991	-	Railway applications - Rolling stock - Protective provisions against electrical hazards	-	-
IEC 62262	-	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)	EN 62262	-
IEC 62498-1	2010	Railway applications - Environmental conditions for equipment - Part 1: Equipment on board rolling stock	-	-

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