

BS EN 60349-1:2010



BSI Standards Publication

# Electric traction — Rotating electrical machines for rail and road vehicles

Part 1: Machines other than electronic converter-fed alternating current motors

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### National foreword

This British Standard is the UK implementation of EN 60349-1:2010. It is identical to IEC 60349-1:2010. It supersedes BS EN 60349-1:2000 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee GEL/9, Railway Electrotechnical Applications, to Subcommittee GEL/9/2, Railway Electrotechnical Applications - Rolling stock.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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### Amendments issued since publication

Amd. No.	Date	Text affected
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English version

**Electric traction -  
 Rotating electrical machines for rail and road vehicles -  
 Part 1: Machines other than electronic converter-fed alternating current  
 motors  
 (IEC 60349-1:2010)**

Traction électrique -  
 Machines électriques tournantes des  
 véhicules ferroviaires et routiers -  
 Partie 1: Machines autres que les moteurs  
 à courant alternatif alimentés par  
 convertisseur électronique  
 (CEI 60349-1:2010)

Elektrische Zugförderung -  
 Drehende elektrische Maschinen für  
 Bahn- und Straßenfahrzeuge -  
 Teil 1: Elektrische Maschinen  
 ausgenommen umrichter gespeiste  
 Wechselstrommotoren  
 (IEC 60349-1:2010)

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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.

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**CENELEC**

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

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