

Railway applications — Rolling stock — Protective provisions relating to electrical hazards

The European Standard EN 50153 : 1996 has the status of a
British Standard

ICS 45.060.10; 45.060.20

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee PEL/9, Railway electrotechnical applications, to Subcommittee PEL/9/2, Rolling stock, upon which the following bodies were represented:

- British Cable Makers Confederation
- Confederation of Passenger Transport UK
- Docklands Light Railway
- Federation of the Electronics Industry
- Health and Safety Executive
- London Underground Ltd.
- Power Supply Manufacturers' Association - PSMA (BEAMA Ltd.)
- Railtrack
- Railway Industry Association

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Amendments issued since publication

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The following BSI references relate to the work on this standard:
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National foreword

This British Standard has been prepared by Technical Committee PEL/9 and is the English language version of EN 50153 : 1996 *Railway applications — Rolling stock — Protective provisions relating to electrical hazards*, published by the European Committee for Electrotechnical Standardization (CENELEC).

Cross-references

Publications referred to	Corresponding British Standards
EN 50163 : 1995	BS EN 50163 : 1996 <i>Railway applications — Supply voltages of traction systems</i>
EN 60439 series	BS EN 60439 series. <i>Specification for low-voltage switchgear and controlgear assemblies</i>
EN 60529 : 1991 (IEC 529 : 1989)	BS EN 60529 : 1992 <i>Specification for degrees of protection provided by enclosures (IP code)</i> BS EN 61310 <i>Safety of machinery. Indication, marking and actuation</i>
EN 61310-1 : 1995 (IEC 1310 : 1995)	BS EN 61310-1 : 1995 <i>Requirements for visual, auditory and tactile signals</i>
HD 366 : 1977 (IEC 536)	BS 2754 : 1976 <i>Memorandum. Construction of electrical equipment for protection against electric shock</i> BS 4778 <i>Quality vocabulary</i> Part 3 <i>Availability, reliability and maintainability terms</i>
IEC 50 (191) : 1990	Section 3.2 : 1991 <i>Glossary of international terms</i> BS 4727 <i>Glossary of electrotechnical, power, telecommunication, electronics, lighting and colour terms</i> Part 2 <i>Terms particular to power engineering</i>
IEC 50 (441) : 1984	Group 06 : 1985 <i>Switchgear and controlgear terminology (including fuse terminology)</i>
IEC 50 (811) : 1991	Group 18 : 1992 <i>Electric traction</i> PD 6519 <i>Guide to effects of current on human beings and livestock</i>
IEC 479-1 : 1994	Part 1 : 1995 <i>General aspects</i>

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 12, an inside back cover and a back cover.

ICS 45.060.00

Descriptors: Railway equipment, railway rolling stock, safety requirements, accident prevention, protection against electric shocks, protection against live parts

English version

Railway applications — Rolling stock — Protective provisions relating to electrical hazards

Applications ferroviaires — Matériel roulant —
Mesures de protection vis-à-vis des dangers
d'origine électrique

Bahnanwendungen —
Fahrzeuge — Schutzmaßnahmen in Bezug auf
elektrische Gefahren

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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

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Foreword

This European Standard was prepared by SC 9XB, Electromechanical material on board of rolling stock, of Technical Committee CENELEC TC 9X, Electrical and electronic applications for railways.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50153 on 1995-03-06.

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) 1997-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1997-03-01

For products which have complied with the relevant national standard before 1997-03-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2002-03-01.

Annexes designated ‘normative’ are part of the body of the standard. Annexes designated ‘informative’ are given for information only. In this standard, annexes A and B are normative and annex C is informative.

Special national conditions are listed in annex A. A-deviations are listed in annex C.

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