

Railway applications — Traction transformers and inductors on rolling stock

The European Standard EN 60310:1996 has the status of a
British Standard

ICS 29.180; 29.280

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Committees responsible for this British Standard

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

- Association of Control Manufacturers (TACMA (BEAMA Ltd.))
- 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

The following body was also represented in the drafting of the standard through subcommittees and panels:

- British Railways Board

This British Standard, having been prepared under the direction of the Electrotechnical Sector Board, was published under the authority of the Standards Board and comes into effect on 15 January 1997

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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 60310:1996 *Railway applications — Traction transformers and inductors on rolling stock* published by the European Committee for Electrotechnical Standardization (CENELEC). It was derived by CENELEC from IEC 310:1991 published by the International Electrotechnical Commission (IEC).

The CENELEC common modifications have been implemented at the appropriate places in the text and are indicated by a side line in the margin.

The foreword of the EN makes reference to the date of withdrawal, dow, of the relevant national standard. In this case the relevant national standard is BS 7565:1992 which will be withdrawn on 1 December 1996. Certificates and Marks will not be awarded after this date with respect to the withdrawn British Standard. However such certificates and marks, already awarded, may continue to apply to production until 1 December 2001.

Cross-references

Publication referred to	Corresponding British Standard
EN 60289:1994	BS EN 60289:1995 <i>Reactors</i>
HD 398 series	BS 171 <i>Power transformers</i>
HD 398.5 SI:1982	Part 5:1978 <i>Specification for ability to withstand short circuit</i>
IEC 349:1991	BS 173 <i>Electric traction (rail and road vehicles)</i> Part 1:1992 <i>Specification for rotating electrical machines</i>

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 22, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

ICS 29.180; 29.280

Descriptors: Electric traction, rail vehicle, transformer, inductor, definition, classification, limit of temperature rise, test, electrical tolerance, rating plate

English version

Railway applications — Traction transformers and inductors on rolling stock

(IEC 310:1991, modified)

Applications ferroviaires
Transformateurs de traction et inductances du matériel roulant (CEI 310:1991, modifiée)

Bahnanwendungen — Transformatoren und Drosselspulen auf Schienenfahrzeugen
(IEC 310:1991, modifiziert)

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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

The text of the International Standard IEC 310:1991, prepared by IEC TC 9, Electric traction equipment, together with common modifications prepared by SC 9XB, Electromechanical material on board of rolling stock, of Technical Committee CENELEC TC 9X, Electrical and electronic applications for railways, was submitted to the formal vote and was approved by CENELEC as EN 60310 on 1995-11-28.

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) 1996-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1996-12-01

For products which have complied with the relevant national standard before 1996-12-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2001-12-01.

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