

Railway applications - Fixed installations - D.C. switchgear - Part 2: D.C. circuit breakers

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50123-2:2003 sisaldab Euroopa standardi EN 50123-2:2003 ingliskeelset teksti. Käesolev dokument on jõustatud 08.05.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 50123-2:2003 consists of the English text of the European standard EN 50123-2:2003. This document is endorsed on 08.05.2003 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: This part of EN 50123 specifies requirements for d.c. circuit breakers for use in fixed installations of traction systems	Scope: This part of EN 50123 specifies requirements for d.c. circuit breakers for use in fixed installations of traction systems
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English version

**Railway applications –
Fixed installations – D.C. switchgear
Part 2: D.C. circuit breakers**

Applications ferroviaires –
Installations fixes –
Appareillages à courant continu
Partie 2: Disjoncteurs
pour courant continu

Bahnanwendungen –
Ortsfeste Anlagen –
Gleichstrom-Schaltanlagen
Teil 2: Gleichstrom-Leistungsschalter

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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

Foreword

This European Standard was prepared by SC 9XC, Electric supply and earthing systems for public transport equipment and ancillary apparatus (fixed installations), of the Technical Committee CENELEC TC 9X, Electrical and electronic applications for railways.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50123-2 on 2002-09-01.

This European Standard supersedes EN 50123-2:1995 + A1:1996. It has been prepared taking into account IEC 61992-2 in order to align technically as much as possible this EN 50123-2 and IEC 61992-2. These documents are to be considered as technically equivalent except for those references and peculiarities which are due to the European standardization in the railway application field.

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) 2003-09-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2005-09-01

This Part 2 is to be used in conjunction with EN 50123-1:2003.

Annexes designated “informative” are given for information only.
In this standard, annex A is informative.

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1 Scope

This part of EN 50123 specifies requirements for d.c. circuit breakers for use in fixed installations of traction systems.

NOTE Switchgear assemblies, electromagnetic compatibility (EMC) and dependability are not covered in this part of EN 50123, but by other parts of this standard or by other standards, as indicated in EN 50123-1.

2 Normative references

This European Standard incorporates by dated or undated references, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

See EN 50123-1:2003.

3 Definitions

For the purposes of this European Standard, the terms and definitions given in EN 50123-1 apply.

4 Service requirements

Environmental conditions applicable to the equipment discussed in this standard are covered in 4.1 of EN 50123-1.

5 Characteristics of the circuit breaker

5.1 Enumeration of the characteristics

The characteristics of a circuit breaker and its assigned designations and values (where applicable) are covered below as follows:

- type of circuit breaker (5.2);
- rated values and limit values of the main circuit and short-circuit characteristics (5.3);
- control circuits (5.4);
- auxiliary circuits (5.5);
- releases (5.6);
- arc voltages (5.7).