

Railway applications - Fixed installations - D.C. switchgear - Part 3: Indoor d.c. disconnectors and switch-disconnectors

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50123-3:2003 sisaldab Euroopa standardi EN 50123-3:2003 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 50123-3:2003 consists of the English text of the European standard EN 50123-3:2003. 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. disconnectors, switch-disconnectors and earthing switches for use in indoor fixed installations of traction systems	Scope: This part of EN 50123 specifies requirements for d.c. disconnectors, switch-disconnectors and earthing switches for use in indoor fixed installations of traction systems
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Võtmesõnad: electric loco, electrically-operated, isolating switches, plant, railway applications, railway electric traction equipment, railways, ratings, specification (approval), specifications, stationary, switch-disconnectors, switches, switchgears, testing, traffic vehicles

English version

**Railway applications –
Fixed installations – D.C. switchgear
Part 3: Indoor d.c. disconnectors, switch-disconnectors
and earthing switches**

Applications ferroviaires –
Installations fixes –
Appareillages à courant continu
Partie 3: Interrupteurs-sectionneurs,
sectionneurs et sectionneurs de terre
pour l'intérieur

Bahnanwendungen –
Ortsfeste Anlagen –
Gleichstrom-Schaltanlagen
Teil 3: Gleichstrom-Trennschalter,
-Lasttrennschalter und -Erdungsschalter
für Innenräume

This European Standard was approved by CENELEC on 2002-09-01. 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.

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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

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 CENLEC as EN 50123-3 on 2002-09-01.

This European Standard supersedes EN 50123-3:1995 + corrigendum September 1996. It has been prepared taking into account IEC 61992-3 in order to align technically as much as possible this EN 50123-3 and IEC 61992-3. These documents are to be considered as technically equivalent except for those references and peculiarities which are due to the European standardisation 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 3 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. disconnectors, switch-disconnectors and earthing switches for use in indoor fixed installations of traction systems.

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

NOTE 2 In this standard the word "unit" means "disconnector and/or switch-disconnector and/or earthing switch" as defined in 3.1.4, 3.1.5 and 3.1.6 of EN 50123-1.

NOTE 3 Disconnectors, switch-disconnectors and earthing switches may have electrically latched mechanisms and, in such cases, may be indicated with the current term of "power contactors".

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 unit

5.1 Enumeration of the characteristics

The characteristics of the unit and its assigned designations and values (where applicable) are covered as follows:

- type of unit (5.2);
- rated values (5.3);
- class of use (5.4);
- control circuits (5.5);
- auxiliary circuits (5.6).