Irish Standard
I.S. EN 50123-3:2003

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

I.S. EN 50123-3:2003

Incorporating amendments/corrigenda issued since publication:
EN 50123-3:2003/A1:2013

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This document replaces:	*This document is based on:*	*Published:*
EN 50123-3:1995	EN 50123-3:2003 EN 50123-3:1995	28 February, 2003 23 May, 1995

This document was published
under the authority of the NSAI and comes into effect on:

28 March, 2003

ICS number:
29.120
45.020

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I.S. EN 50123-3:2003

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50123-3/A1

October 2013

ICS 29.280; 45.020

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-Schalteinrichtungen - Teil 3: Gleichstrom-Trennschalter, - Lasttrennschalter und -Erdungsschalter für Innenräume

This amendment A1 modifies the European Standard EN 50123-3:2003; it was approved by CENELEC on 2013-08-26. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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CENELEC

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

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Ref. No. EN 50123-3:2003/A1:2013 E

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Foreword

This document (EN 50123-3:2003/A1:2013) has been prepared by CLC/SC 9XC "Electric supply and earthing systems for public transport equipment and ancillary apparatus (Fixed installations)", of Technical Committee CLC/TC 9X "Electrical and electronic applications for railways".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-08-26
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2016-08-26

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Modification to 5.3.3 "Currents"

In the first dash item under the third bullet item, **delete** the factor "1,2".

I.S. EN 50123-3:2003

EUROPEAN STANDARD **EN 50123-3**

NORME EUROPÉENNE

EUROPÄISCHE NORM February 2003

ICS 29.160.60; 45.020 Supersedes EN 50123-3:1995

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-Schalteinrichtungen 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.

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CENELEC

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

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Ref. No. EN 50123-3:2003 E

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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Contents

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).