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Irish Standard
I.S. EN 50123-6:2003&A1:2014

Railway applications - Fixed installations - D.C. switchgear -- Part 6: D.C. switchgear assemblies

I.S. EN 50123-6:2003&A1:2014

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EUROPEAN STANDARD

EN 50123-6:2003/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Railway applications - Fixed installations - D.C. switchgear - Part 6: D.C. switchgear assemblies

Applications ferroviaires - Installations fixes - Appareillage à
courant continu - Partie 6: Ensembles d'appareillage

Bahnwendungen - Ortsfeste Anlagen - Gleichstrom-
Schalteinrichtungen - Teil 6: Gleichstrom-Schaltanlagen

This amendment A1 modifies the European Standard EN 50123-6:2003; it was approved by CENELEC on 2014-11-17. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This amendment 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	3
2 Normative references	4
3 Definitions	4
8 Tests.....	4
8.2 List of the applicable tests.....	4
8.3 Performance of tests	4
8.3.9 Internal arc test	4
Annex B (normative) Method for testing under conditions of arcing due to an internal fault	5
B.1 Purpose of the test	5
B.2 Characteristics – Rated short-circuit current under internal arcing conditions (I_{Narc}).....	5
B.3 Test arrangements.....	6
B.3.1 Test specimen.....	6
B.3.2 Test circuit.....	7
B.3.3 Voltage	7
B.3.4 Duration of the test.....	7
B.4 Test procedure	7
B.4.1 Supply circuit	7
B.4.2 Arc initiation	7
B.4.3 Indicators.....	8
B.4.4 Repetition of the test	9
B.5 Assessment of the test.....	9
B.6 Test report	10
Bibliography	14

Foreword

This document (EN 50123-6:2003/A1:2014) has been prepared by CLC/SC 9XC "Electric supply and earthing systems for public transport equipment and ancillary apparatus (Fixed installations)".

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) 2015-11-17
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2017-11-17

This amendment was elaborated to provide guidance to the requirement of 6.6.3, Internal arcing, that gas or vapour escaping under pressure does not endanger operating staff.

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.

EUROPEAN STANDARD

EN 50123-6

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2003

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Supersedes EN 50123-6:1998

English version

**Railway applications –
Fixed installations – D.C. switchgear
Part 6: D.C. switchgear assemblies**

Applications ferroviaires –
Installations fixes –
Appareillage à courant continu
Partie 6: Ensembles d'appareillage

Bahnanwendungen –
Ortsfeste Anlagen –
Gleichstrom-Schaltanlagen
Teil 6: Gleichstrom-Schaltanlagen

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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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 CENELEC as EN 50123-6 on 2002-09-01.

This European Standard supersedes EN 50123-6:1998.

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 6 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.

Contents

	Page
1 Scope.....	5
2 Normative references.....	5
3 Definitions.....	5
4 Service requirements	5
5 Characteristics of the assemblies	6
6 Construction characteristics	6
6.1 General	6
6.2 Insulation requirements	7
6.3 Primary connections	7
6.4 Location of the primary connections	8
6.5 Earthing	8
6.6 Degree of protection and internal fault.....	9
6.7 Covers and doors	10
6.8 Inspection windows	11
6.9 Ventilating openings.....	11
6.10 Partitions and shutters.....	11
6.11 Interlocks	13
6.12 Temperature-rises	13
6.13 Dielectric strength.....	14
6.14 Painting and finishing.....	14
6.15 Noise emission.....	14
6.16 Cooling and heating.....	14
6.17 Operating temperature of auxiliary and control equipment.....	14
7 Information and marking.....	15
7.1 Information	15
7.2 Marking	15
8 Tests.....	16
8.1 General	16
8.2 List of the applicable tests	16
8.3 Performance of tests	17

Annex A (informative) Information required	27
A.1 General.....	27
A.2 Procurement specification	27
A.3 Manufacturer's tender specification	29
A.4 Information and data to be supplied by the manufacturer during the delivery stage	30
Figure 1 - Test arrangement for short time current withstand test on busbars	26
Figure 2 - Test arrangement for temperature-rise test on main circuits.....	26
Figure 3 - Test arrangement for temperature-rise test on the busbars	26
Table 1 - Degrees of protection	10
Table 2 - List of applicable tests.....	16

1 Scope

This European Standard covers d.c. metal-enclosed and non-metallic enclosed switchgear assemblies used in indoor stationary installations of traction systems, with nominal voltage not exceeding 3 000 V.

It is intended that individual items of equipment, for example circuit breakers, housed in the assembly are designed, manufactured and individually tested (simulating the enclosure when necessary) in accordance with their respective parts of EN 50123 or, when appropriate, with another applicable standard.

NOTE 1 The requirements covered in this European Standard are those concerning the assembly as such, its enclosure and the mutual influence of the equipment enclosed.

NOTE 2 EMC requirements are covered by EN 50121-5 and additional requirements concerning dependability (RAMS) are covered by EN 50126.

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

Normal service requirements are detailed in clause 4 and Annex B of EN 50123-1 for indoor installations. In this European standard the pollution degree PD4 and overvoltage categories (see notes to Table 1 of EN 50123-1) as described in EN 50124-1 are considered to be the normal condition.

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