



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 50123-5:2003**

ICS 29.120  
45.020

**RAILWAY APPLICATIONS -  
FIXED INSTALLATIONS - D.C. SWITCHGEAR  
PART 5: SURGE ARRESTERS AND  
LOW-VOLTAGE LIMITERS FOR SPECIFIC  
USE IN D.C. SYSTEMS**

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*This Irish Standard was  
published under the  
authority of the National  
Standards Authority of  
Ireland  
and comes into effect on  
March 28, 2003*

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EUROPEAN STANDARD

**EN 50123-5**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2003

ICS 29.120.60; 45.020

Supersedes EN 50123-5:1997 + A1:1999

English version

**Railway applications –  
Fixed installations - D.C. switchgear  
Part 5: Surge arresters and low-voltage limiters  
for specific use in d.c. systems**

*Applications ferroviaires –  
Installations fixes –  
Appareillage à courant continu  
Partie 5: Parafoudres et limiteurs  
de tension pour utilisation spécifique  
dans les systèmes à courant continu*

*Bahnanwendungen –  
Ortsfeste Anlagen –  
Gleichstrom-Schaltanlagen  
Teil 5: Überspannungsableiter und  
Niederspannungsbegrenzer  
für spezielle Verwendung  
in Gleichstromsystemen*

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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 CENELEC as EN 50123-5 on 2002-09-01.

This European Standard supersedes EN 50123-5:1997 + A1:1999.

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 5 is to be used in conjunction with EN 50123-1:2003, with EN 60099-1:12994 and with EN 60099-4:1993.

Annexes designated “informative” are given for information only.  
In this standard, annexes A and B are informative.

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