



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50328:2007

ICS 29.020

29.280

**RAILWAY APPLICATIONS - FIXED
INSTALLATIONS - ELECTRONIC POWER
CONVERTERS FOR SUBSTATIONS**

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*This Irish Standard was
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authority of the National
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2 March 2007

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EUROPEAN STANDARD

EN 50328

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2003

ICS 29.200; 29.280

Partly supersedes EN 60146-1-1:1993
Incorporates Corrigendum December 2006

English version

**Railway applications -
Fixed installations -
Electronic power converters for substations**

Applications ferroviaires -
Installations fixes -
Convertisseurs électroniques
de puissance pour sous-stations

Bahnanwendungen -
Ortsfeste Anlagen -
Leistungselektronische Stromrichter
für Unterwerke

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 Technical Committee CENELEC TC 9X, Electrical and electronic applications for railways.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50328 on 2002-09-01.

This European Standard supersedes EN 60146-1-1:1993 for the specific products concerning railway applications as mentioned in the scope of this standard.

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

Annexes designated "informative" are given for information only.
In this standard, Annexes A, B and C are informative.

The contents of the corrigendum of December 2006 have been included in this copy.

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