



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61660-2:1999

ICS 17.220.01

National Standards  
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**SHORT-CIRCUIT CURRENTS IN D.C.  
AUXILIARY INSTALLATIONS IN POWER  
PLANTS AND SUBSTATIONS. PART 2:  
CALCULATION OF EFFECTS  
(IEC 61660-2:1997)**

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EUROPEAN STANDARD

EN 61660-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Descriptors: Short-circuit current, auxiliary installations, power plants, substation, calculation of effects

English version

**Short-circuit currents in d.c. auxiliary installations  
in power plants and substations  
Part 2: Calculation of effects  
(IEC 61660-2:1997)**

Courants de court-circuit dans les  
installations auxiliaires alimentées  
en courant continu dans les centrales  
et les postes  
Partie 2: Calcul des effets  
(CEI 61660-2:1997)

Kurzschlußströme in  
Gleichstrom-Eigenbedarfsanlagen  
in Kraftwerken und Schaltanlagen  
Teil 2: Berechnung der Wirkungen  
(IEC 61660-2:1997)

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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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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

The text of document 73/85/FDIS, future edition 1 of IEC 61660-2, prepared by IEC TC 73, Short-circuit currents, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61660-2 on 1997-07-01.

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) 1998-04-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 1998-04-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annex ZA is normative and annexes A and B are informative.

Annex ZA has been added by CENELEC.

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### Endorsement notice

The text of the International Standard IEC 61660-2:1997 was approved by CENELEC as a European Standard without any modification.

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**Annex ZA (normative)****Normative references to international publications  
with their corresponding European publications**

This European Standard incorporates by dated or undated reference, 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).

NOTE: When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60865-1	1993	Short-circuit currents - Calculation of effects Part 1: Definitions and calculation methods	EN 60865-1	1993
IEC 60865-2	1994	Part 2: Examples of calculation	-	-
IEC 60949	1988	Calculation of thermally permissible short-circuit currents, taking into account non-adiabatic heating effects	-	-
IEC 60986	1989	Guide to the short-circuit temperature limits of electric cables with a rated voltage from 1,8/3 (3,6) kV to 18/30 (36) kV	-	-
IEC 61660-1	1997	Short-circuit currents in d.c. auxiliary installations in power plants and substations Part 1: Calculation of short-circuit currents	EN 61660-1	1997



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