



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 62310-1:2005

ICS 29.240.99

**STATIC TRANSFER SYSTEMS (STS) PART 1:
GENERAL AND SAFETY REQUIREMENTS (IEC
62310-1:2005)**

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EUROPEAN STANDARD

EN 62310-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2005

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English version

Static transfer systems (STS)
Part 1: General and safety requirements
(IEC 62310-1:2005)

Systèmes de transfert statique (STS)
Partie 1: Exigences générales et règles
de sécurité
(CEI 62310-1:2005)

Statische Transferschalter (STS)
Teil 1: Allgemeine und
Sicherheitsanforderungen
(IEC 62310-1:2005)

This European Standard was approved by CENELEC on 2005-03-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

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Foreword

The text of document 22H/66/FDIS, future edition 1 of IEC 62310-1, prepared by SC 22H, Uninterruptible power systems (UPS), of IEC TC 22, Power electronic systems and equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62310-1 on 2005-03-01.

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) 2005-12-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2008-03-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62310-1:2005 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60947-6-1	NOTE	Harmonized as EN 60947-6-1:1991 (not modified).
IEC 61032	NOTE	Harmonized as EN 61032:1998 (not modified).
IEC 61140	NOTE	Harmonized as EN 61140:2002 (not modified).
IEC 62040	NOTE	Harmonized in EN 62040 series (modified).
IEC 62040-1-1	NOTE	Harmonized as EN 62040-1-1:2003 (not modified).
IEC 62040-1-2	NOTE	Harmonized as EN 62040-1-2:2003 (not modified).
IEC 62040-3	NOTE	Harmonized as EN 62040-3:2001 (modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE Where 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 60060-1 + corr. March	1989 1990	High-voltage test techniques Part 1: General definitions and test requirements	HD 588.1 S1	1991
IEC 60073	- ¹⁾	Basic and safety principles for man-machine interface, marking and identification - Coding principles for indicators and actuators	EN 60073	2002 ²⁾
IEC/TR 60083	- ¹⁾	Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC	-	-
IEC 60085	- ¹⁾	Electrical insulation - Thermal classification	EN 60085	2004 ²⁾
IEC 60112	- ¹⁾	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	EN 60112	2003 ²⁾
IEC 60364-5-54	- ¹⁾	Electrical installations of buildings Part 5-54: Selection and erection of electrical equipment - Earthing arrangements, protective conductors and protective bonding conductors	-	-
IEC 60364-7-707	- ¹⁾	Part 7: Requirements for special installations or locations -- Section 707: Earthing requirements for the installations of data processing equipment	-	-
IEC 60417	database	Graphical symbols for use on equipment	-	-
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May	1991 1993

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60664-1 + A1 + A2	1992 2000 2002	Insulation coordination for equipment within low-voltage systems Part 1: Principles, requirements and tests	EN 60664-1	2003
IEC 60664-3	2003	Part 3: Use of coating, potting or moulding for protection against pollution	EN 60664-3	2003
IEC 60730-1 (mod)	1999	Automatic electrical controls for household and similar use Part 1: General requirements	EN 60730-1 A11 A12	2000 2002 2003
A1 (mod)	2003		A1 A13 A14	2004 2004 2005
IEC/TR 60755	- ¹⁾	General requirements for residual current operated protective devices	-	-
IEC 60950-1 (mod)	2001	Information technology equipment - Safety Part 1: General requirements	EN 60950-1	2001
IEC 61008-1 (mod)	- ¹⁾	Residual current operated circuit- breakers without integral overcurrent protection for household and similar uses (RCCB's) Part 1: General rules	EN 61008-1	2004 ²⁾
IEC 61009-1 (mod)	- ¹⁾	Residual current operated circuit- breakers with integral overcurrent protection for household and similar uses (RCBO's) Part 1: General rules	EN 61009-1	2004 ²⁾
IEC 62103	2003	Electronic equipment for use in power installations	-	-
IEC 62310-2	- ³⁾	Static Transfer Systems (STS) Part 2: Electromagnetic Compatibility (EMC) requirements	-	-
ISO 3864-1	2002	Graphical symbols - Safety colours and safety signs Part 1: Design principles for safety signs in workplaces and public areas	-	-
ISO 7000	2004	Graphical symbols for use on equipment - Index and synopsis	-	-

³⁾ To be published.

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