



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 1047-1:2005

ICS 13.220.40
13.310
35.020

**SECURE STORAGE UNITS - CLASSIFICATION
AND METHODS OF TEST FOR RESISTANCE
TO FIRE - PART 1: DATA CABINETS AND
DISKETTE INSERTS**

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*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland and comes into
effect on:
December 2, 2005*

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 1047-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2005

ICS 13.220.40; 13.310; 35.020

Supersedes EN 1047-1:1996

English Version

Secure storage units - Classification and methods of test for resistance to fire - Part 1: Data cabinets and diskette inserts

Unités de stockage en lieu sûr - Classification et méthodes d'essais de résistance au feu - Partie 1: Meubles ignifuges et containers pour supports sensibles

Wertbehältnisse - Klassifizierung und Methoden zur Prüfung des Widerstandes gegen Brand - Teil 1: Datensicherungsschränke und Disketteneinsätze

This European Standard was approved by CEN on 26 August 2005.

CEN 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 CEN 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 CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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Foreword

This European Standard (EN 1047-1:2005) has been prepared by Technical Committee CEN/TC 263 "Secure storage of cash, valuables and data media", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

This document supersedes EN 1047-1:1996.

Part 2 of this standard has been published under the following title:

EN 1047-2 Secure storage units
 Classification and methods of test for resistance to fire
 Part 2: Data rooms and data containers

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: 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.

EN 1047-1:2005 (E)

Introduction

The testing conditions given in this European Standard provide a basis for simulating fires to determine, in a reproducible way, the fire resistance of data cabinets and diskette inserts in various protection classes. The protection classes enable a comparison to be made of the resistance against fire provided by different constructions.

The threshold values for the maximum temperature increases in the protection classes S 60 P/S 120 P (150 K), S 60 D/S 120 D (50 K) and S 60 DIS/S 120 DIS (30 K) for data cabinets as well as DI 60 P/DIS (30 K) and DI 120 P/DIS (30 K) for diskette inserts from a starting temperature of $(21 \pm 1) ^\circ\text{C}$, and for the maximum relative humidity (85 %) for the D and DIS protection classes, as defined in this European Standard, refer to the relatively short-term stress due to high temperatures during a fire test. They are not normally experienced by data media stored in data cabinets and diskette inserts in the normal and correct way.

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