



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61810-5:1999

ICS 29.120.99

**ELECTROMECHANICAL NON-SPECIFIED
TIME ALL-OR-NOTHING RELAYS. PART 5:
INSULATION COORDINATION
(IEC 61810-5:1998)**

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61810-5

December 1998

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Descriptors: Electromechanical relays, all-or-nothing relays, definitions, general requirements, clearance and creepage distances

English version

Electromechanical non-specified time all-or-nothing relays
Part 5: Insulation coordination
(IEC 61810-5:1998)

Relais électromécaniques de tout-ou-rien
à temps non spécifié
Partie 5: Coordination de l'isolement
(CEI 61810-5:1998)

Elektromechanische Schaltrelais ohne
festgelegtes Zeitverhalten
Teil 5: Isolationskoordination
(IEC 61810-5:1998)

This European Standard was approved by CENELEC on 1998-04-01. 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, 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 94/73/FDIS, future edition 1 of IEC 61810-5, prepared by IEC TC 94, All-or-nothing electrical relays, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61810-5 on 1998-04-01.

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) 1999-08-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2003-08-01

This EN 61810-5 is to be used in conjunction with HD 625.1 S1:1996.

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 annex A is informative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61810-5:1998 was approved by CENELEC as a European Standard without any modification.

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 60038 (mod)	1983	IEC Standard voltages ¹⁾	HD 472 S1	1989
IEC 60050(195)	1998	International Electrotechnical Vocabulary (IEV) Chapter 195: Earthing and protection against electric shock	-	-
IEC 60050(446)	1983	Chapter 446: Electrical relays	-	-
IEC 60068-1 + corr. October + A1	1988 1988 1992	Environmental testing Part 1: General and guidance	EN 60068-1	1994
IEC 60068-2-2 A1 A2	1974 1993 1994	Part 2: Tests - Test B: Dry heat	EN 60068-2-2 ²⁾ A1 A2	1993 1993 1994
IEC 60068-2-3	1969	Part 2: Tests - Test Ca: Damp heat, steady state	HD 323.2.3 S2 ³⁾	1987
IEC 60410	1973	Sampling plans and procedures for inspection by attributes	-	-
IEC 60664-1 (mod)	1992	Insulation coordination for equipment within low-voltage systems Part 1: Principles, requirements and tests	HD 625.1 S1 + corr. November	1996 1996
IEC 61810-1	1998	Electromechanical non-specified time all-or-nothing relays Part 1: General requirements	EN 61810-1	1998
IEC 61810-7	1997	Part 7: Test and measurement procedures	-	-

1) The title of HD 472 S1 is: *Nominal voltages for low voltage public electricity supply systems*.

2) EN 60068-2-2 includes supplement A:1976 to IEC 60068-2-2.

3) HD 323.2.3 S2 includes A1:1984 to IEC 60068-2-3.

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