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IRISH STANDARD

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33.100

National Standards
Authority of Ireland
Dublin 9
Ireland

Tel. (01) 807 3800
Tel: (01) 807 3838

**ELECTROMAGNETIC COMPATIBILITY (EMC)
PRODUCT STANDARD FOR MEASURING
RELAYS AND PROTECTION EQUIPMENT**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50263

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ICS 29.120.70; 33.100

English version

**Electromagnetic compatibility (EMC)
Product standar for measuring relays and protection equipment**

Compatibilité électromagnétique (CEM)
Norme de produit pour relais de mesures
et dispositifs de protection

Elektromagnetische Verträglichkeit
(EMV) - Produktnorm für Meßrelais
und Schutzeinrichtungen

This European Standard was approved by CENELEC on 1999-08-01. 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

This European Standard was prepared by CENELEC BTTF 63-5, Static measuring relays.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50263 on 1999-08-01.

The following dates were fixed:

- latest date by which the EN has to be implemented
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 - latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2002-08-01
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1 Scope

This standard is applicable to measuring relays and protection equipment for power system protection, including the control, monitoring and process interface equipment used with those systems (hereinafter named "apparatus").

For equipment not incorporating electronic circuits e.g. electromechanical relays, emission and immunity tests are not required.

This standard specifies the essential requirements for electromagnetic compatibility for apparatus intended to be used at industrial locations.

Apparatus used in substations and power plants may require higher immunity test levels, or additional tests, specified in EN/IEC 60255-22 or EN/IEC 61000-4 or other EN standards.

All tests in this standard are type tests.

2 Normative references

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 or revisions of any of these publications shall apply to this European Standard only when incorporated by amendment or revision. For undated references the latest edition of the publication shall apply.

EN 55011	Industrial, scientific and medical (ISM) radio-frequency equipment - Radio disturbance characteristics - Limits and methods of measurement (CISPR 11, mod.)
EN 55022	Limits and methods of measurement of radio interference characteristics of information technology equipment (CISPR 22, mod.)
EN 60255-22-2	Part 22: Electrical disturbance tests for measuring relays and protection equipment - Section 2: Electrostatic discharge tests (IEC 60255-22-2)
EN 61000-4-2	Electromagnetic compatibility - Part 4: Testing and measurement techniques Section 2: Electrostatic discharge immunity test (IEC 61000-4-2)
EN 61000-4-3	Section 3: Radiated, radio-frequency, electromagnetic field immunity test (IEC 61000-4-3, mod.)
EN 61000-4-4	Section 4: Electrical fast transient/burst immunity test (IEC 61000-4-4)
EN 61000-4-5	Section 5: Surge immunity test (IEC 61000-4-5)
EN 61000-4-6	Section 6: Immunity to conducted disturbances, induced by radio-frequency fields (IEC 61000-4-6)
EN 61000-4-8	Section 8: Power frequency magnetic field immunity test (IEC 61000-4-8)
IEC 60050(161)	International Electrotechnical Vocabulary Chapter 161: Electromagnetic compatibility
IEC 60050(446)	Chapter 446: Electrical relays
IEC 60050(448)	Chapter 448: Power system protection
IEC 60255-11	Electrical relays Part 11: Interruptions to and alternating component (ripple) in d.c. auxiliary energising quantity of measuring relays

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